

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004239.D
 Acq On : 24 Aug 2018 11:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:36 AM

Quant Time: Aug 25 00:37:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	300302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	195212	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	167457	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	8.71	98	623312	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	233582	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	163307	46.950	ug/l	98
3) Chloromethane	1.32	50	176990	46.063	ug/l	99
4) Vinyl Chloride	1.40	62	177979	45.233	ug/l	99
5) Bromomethane	1.64	94	90346	46.438	ug/l	97
6) Chloroethane	1.71	64	123378	43.877	ug/l	97
7) Trichlorofluoromethane	1.92	101	242195	44.918	ug/l	94
8) Diethyl Ether	2.18	74	118739	51.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	151097	44.739	ug/l	99
10) Methyl Iodide	2.51	142	169686	44.993	ug/l	98
11) Tert butyl alcohol	3.07	59	201865	241.948	ug/l	100
12) 1,1-Dichloroethene	2.37	96	145839	45.842	ug/l	98
13) Acrolein	2.29	56	82077	408.046	ug/l	98
14) Allyl chloride	2.72	41	283773	48.550	ug/l	99
15) Acrylonitrile	3.15	53	491449	237.847	ug/l	100
16) Acetone	2.45	43	422532	264.932	ug/l	98
17) Carbon Disulfide	2.56	76	398578	45.191	ug/l	99
18) Methyl Acetate	2.78	43	300155	51.677	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	545690	52.049	ug/l	99
20) Methylene Chloride	2.85	84	180923	48.019	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	166120	47.176	ug/l	95
22) Diisopropyl ether	3.87	45	542566	49.716	ug/l	97
23) Vinyl Acetate	3.82	43	2200974	248.833	ug/l	98
24) 1,1-Dichloroethane	3.69	63	310252	48.781	ug/l	99
25) 2-Butanone	4.70	43	646679	246.534	ug/l	100
26) 2,2-Dichloropropane	4.58	77	244009	48.916	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	196360	49.165	ug/l	98
28) Bromochloromethane	5.01	49	140758	49.989	ug/l	98
29) Tetrahydrofuran	5.15	42	404466	240.516	ug/l	98
30) Chloroform	5.21	83	311662	48.875	ug/l	99
31) Cyclohexane	5.57	56	246313	44.886	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	251771	47.349	ug/l	100
36) 1,1-Dichloropropene	5.79	75	226988	45.407	ug/l	99
37) Ethyl Acetate	4.85	43	236575	48.119	ug/l	99
38) Carbon Tetrachloride	5.78	117	213285	45.355	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082418\
 Data File : VX004239.D
 Acq On : 24 Aug 2018 11:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:36 AM

Quant Time: Aug 25 00:37:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	248899	43.609	ug/l	98
40) Benzene	6.14	78	719322	48.156	ug/l	100
41) Methacrylonitrile	5.06	41	138894	48.739	ug/l	99
42) 1,2-Dichloroethane	6.19	62	247705	48.615	ug/l	100
43) Isopropyl Acetate	6.46	43	381995	50.565	ug/l	100
44) Trichloroethene	7.21	130	194051	46.932	ug/l	99
45) 1,2-Dichloropropane	7.51	63	185482	49.614	ug/l	100
46) Dibromomethane	7.66	93	122160	49.075	ug/l	99
47) Bromodichloromethane	7.90	83	234607	50.651	ug/l	100
48) Methyl methacrylate	7.77	41	202336	50.055	ug/l	99
49) 1,4-Dioxane	7.76	88	89367	973.729	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1277116	232.669	ug/l	99
52) Toluene	8.79	92	459979	49.194	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	270419	52.859	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	294116	52.780	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	187848	49.767	ug/l	98
56) Ethyl methacrylate	9.18	69	279761	54.447	ug/l	99
57) 1,3-Dichloropropane	9.37	76	315381	49.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	743452	282.384	ug/l	99
59) 2-Hexanone	9.49	43	981392	234.358	ug/l	99
60) Dibromochloromethane	9.59	129	192034	52.219	ug/l	99
61) 1,2-Dibromoethane	9.67	107	197087	50.456	ug/l	99
64) Tetrachloroethene	9.34	164	180843	43.210	ug/l	98
65) Chlorobenzene	10.14	112	498734	46.905	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	175009	47.721	ug/l	98
67) Ethyl Benzene	10.25	91	825782	47.821	ug/l	93
68) m/p-Xylenes	10.36	106	638469	94.558	ug/l	95
69) o-Xylene	10.70	106	315639	49.419	ug/l	100
70) Styrene	10.71	104	519729	50.256	ug/l	98
71) Bromoform	10.86	173	139594	47.220	ug/l	99
73) Isopropylbenzene	11.02	105	832802	47.933	ug/l	100
74) N-amyl acetate	10.90	43	328942	49.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	288242	47.407	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	261685m	48.639	ug/l	
77) Bromobenzene	11.26	156	238749	48.987	ug/l	99
78) n-propylbenzene	11.36	91	990147	49.550	ug/l	100
79) 2-Chlorotoluene	11.42	91	607875	49.422	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	719504	50.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	86027	51.880	ug/l	97
82) 4-Chlorotoluene	11.51	91	698493	48.261	ug/l	100
83) tert-Butylbenzene	11.77	119	704958	48.697	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	764632	51.771	ug/l	100
85) sec-Butylbenzene	11.94	105	821818	47.816	ug/l	100
86) p-Isopropyltoluene	12.07	119	766168	49.742	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	447345	48.751	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	459888	47.534	ug/l	100
89) n-Butylbenzene	12.39	91	639892	51.090	ug/l	99
90) Hexachloroethane	12.60	117	106473	49.457	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	452226	53.922	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51391	47.988	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
Data File : VX004239.D
Acq On : 24 Aug 2018 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

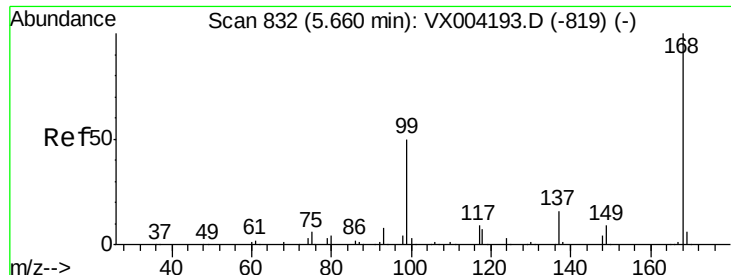
Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM

Quant Time: Aug 25 00:37:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	278868	45.701	ug/l	97
94) Hexachlorobutadiene	13.79	225	121026	42.613	ug/l	97
95) Naphthalene	13.83	128	878028	50.874	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	301396	46.658	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion:168 Resp: 300302

Ion Ratio Lower Upper

168 100

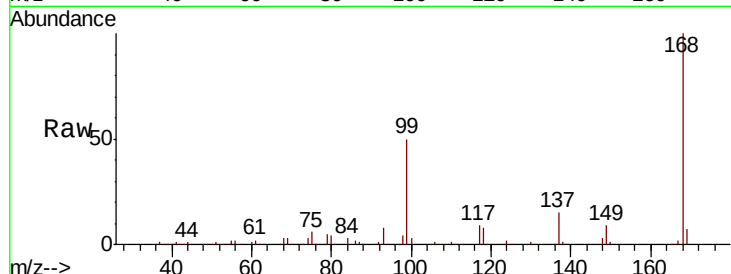
99 50.3 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

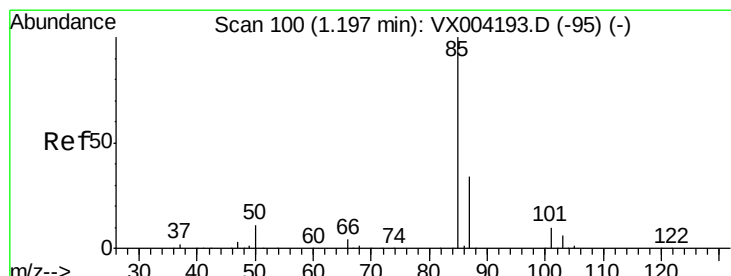
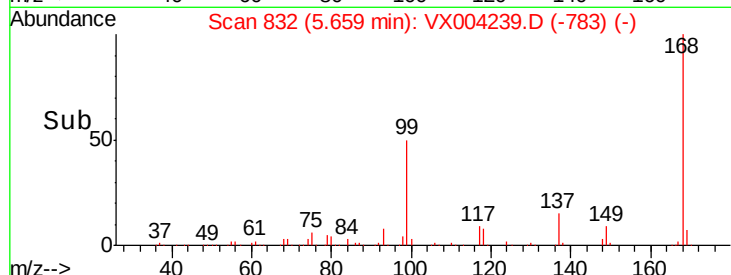
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.950 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004239.D

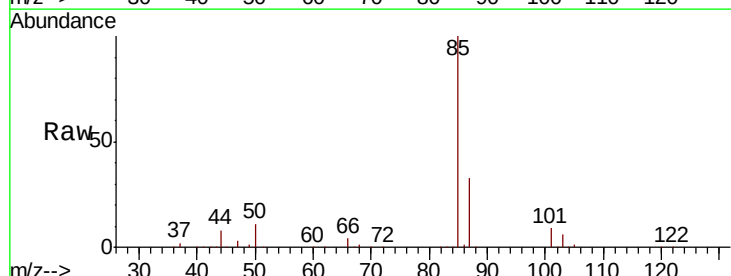
Acq: 24 Aug 2018 11:22

Tgt Ion: 85 Resp: 163307

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

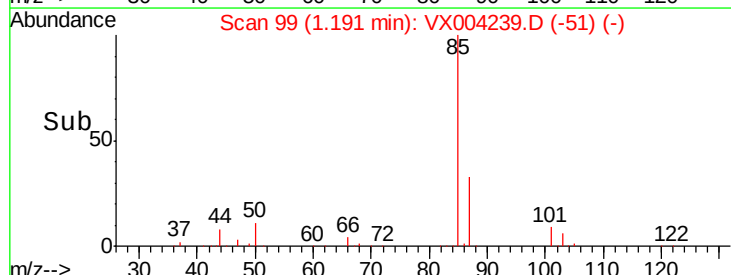
150000

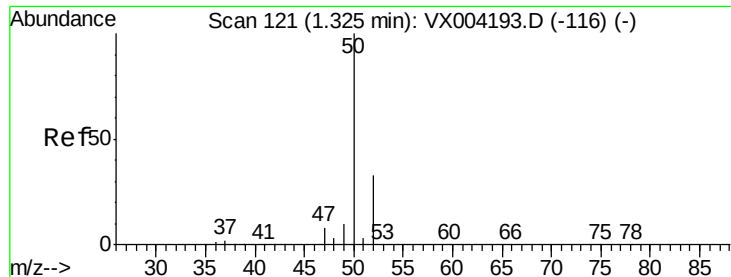
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 46.063 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 176990

Ion Ratio Lower Upper

50 100

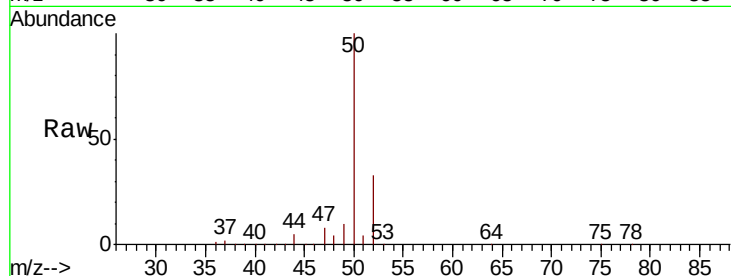
52 33.4 26.2 39.2

Manual Integrations

APPROVED

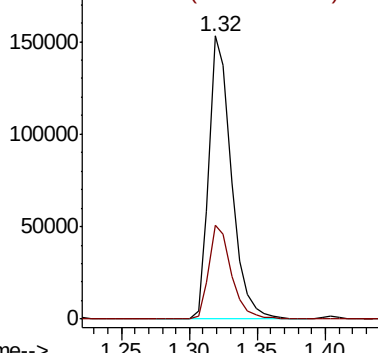
MMDadoda

8/25/2018 11:42:36 AM

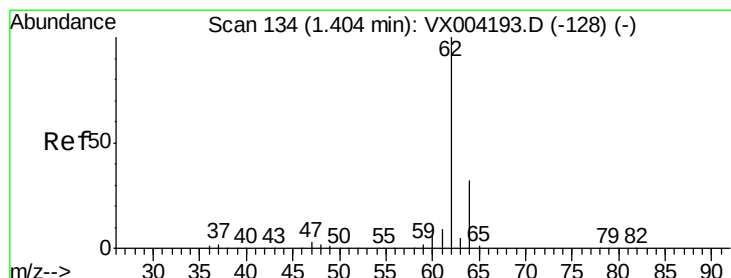
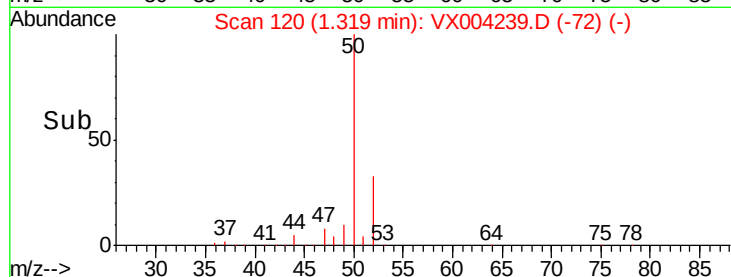


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 45.233 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004239.D

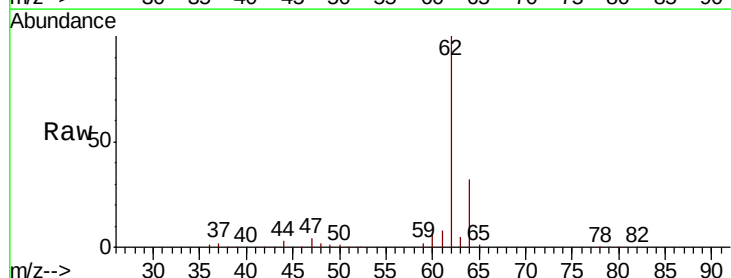
Acq: 24 Aug 2018 11:22

Tgt Ion: 62 Resp: 177979

Ion Ratio Lower Upper

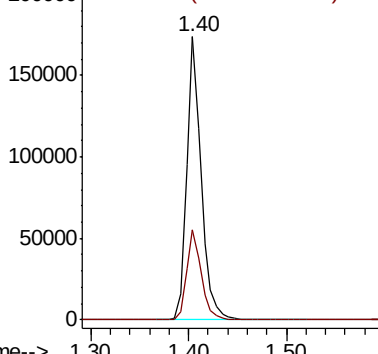
62 100

64 31.7 25.8 38.8

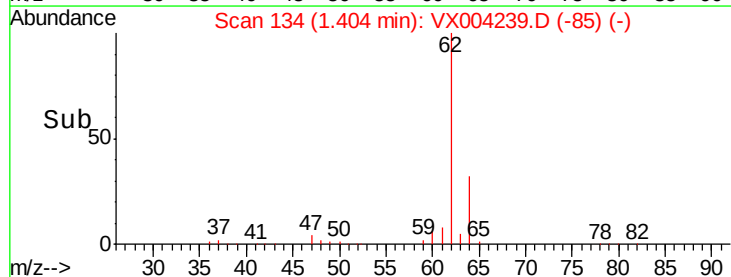


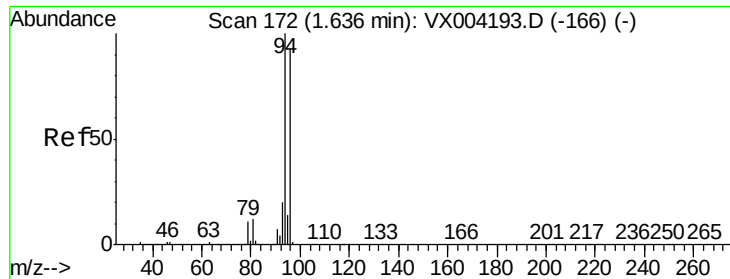
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 46.438 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 90346

Ion Ratio Lower Upper

94 100

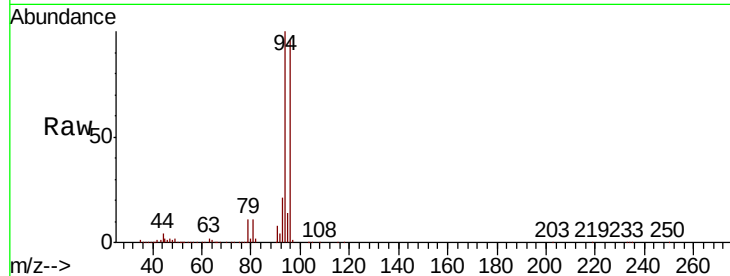
96 95.7 74.5 111.7

Manual Integrations

APPROVED

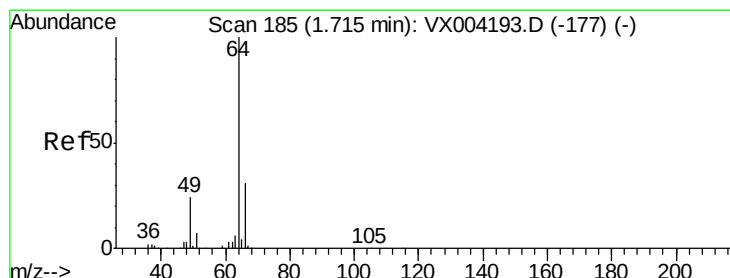
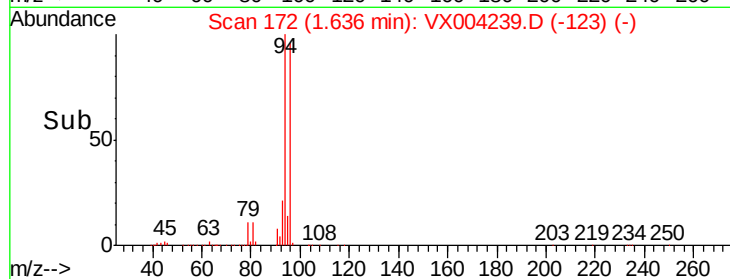
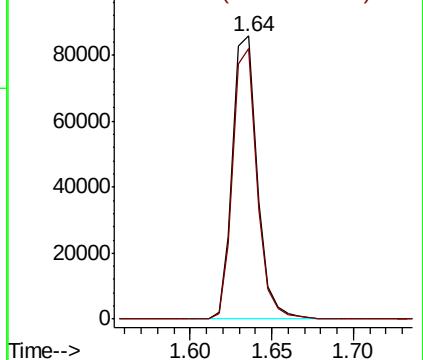
MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.877 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004239.D

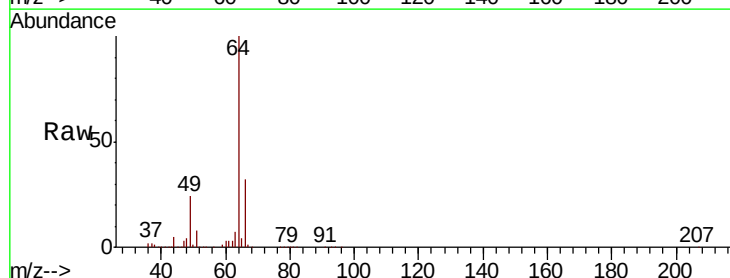
Acq: 24 Aug 2018 11:22

Tgt Ion: 64 Resp: 123378

Ion Ratio Lower Upper

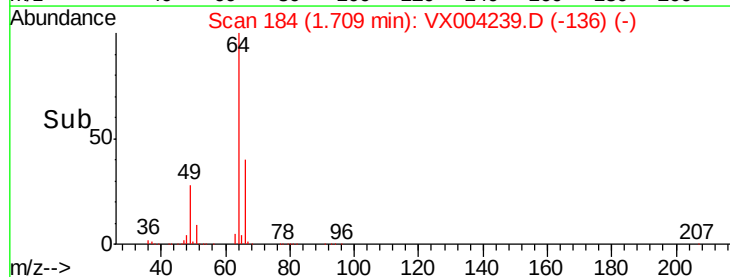
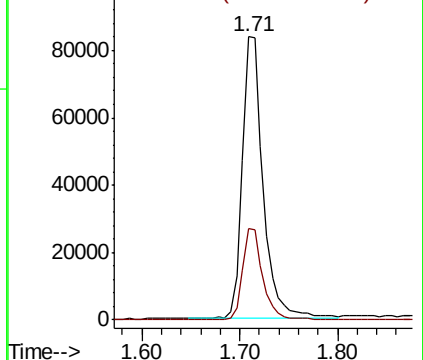
64 100

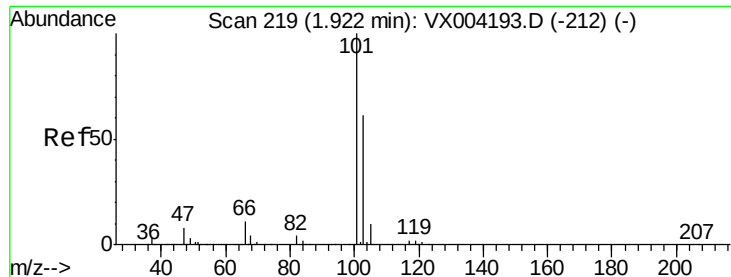
66 32.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

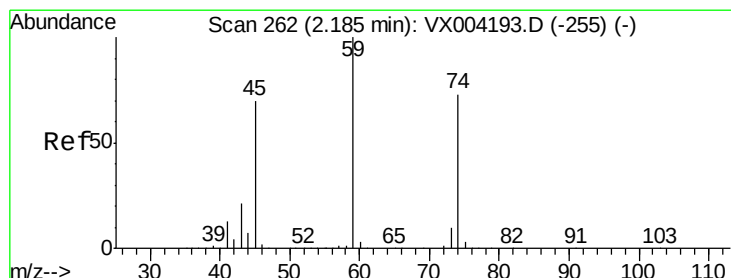
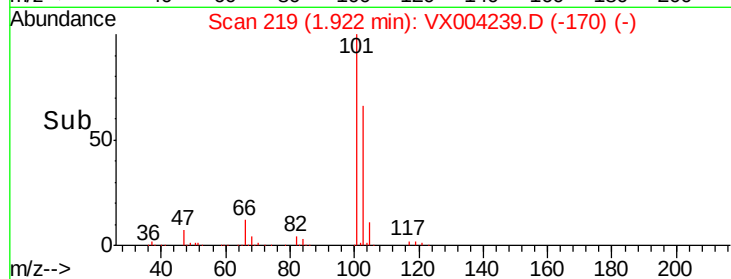
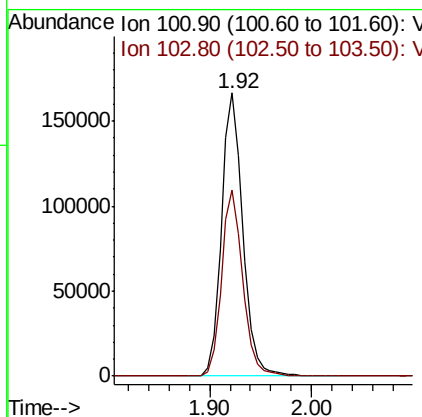
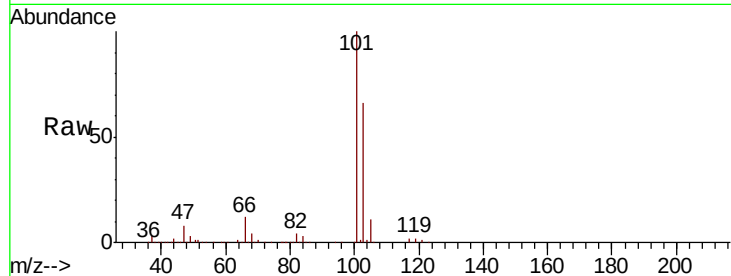
Trichlorofluoromethane
 Concen: 44.918 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.9	73.3

Manual Integrations
 APPROVED

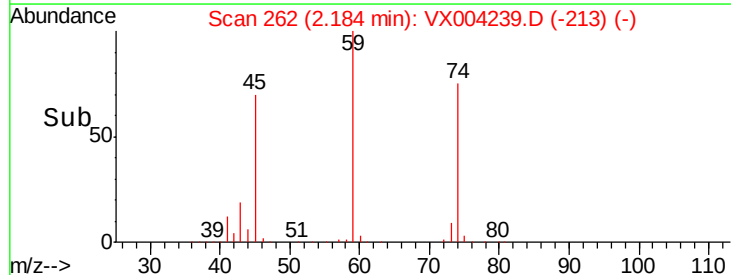
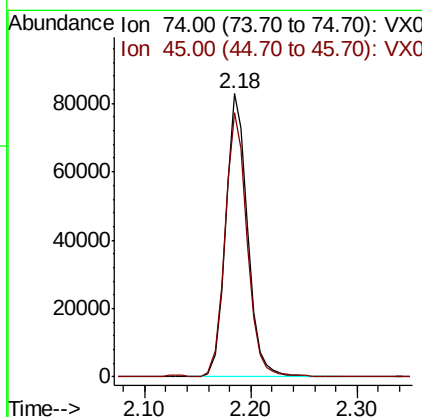
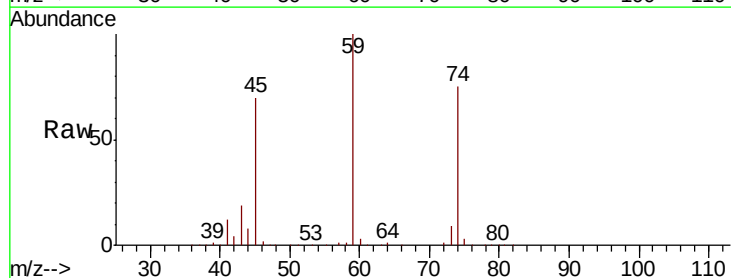
MMDadoda
 8/25/2018 11:42:36 AM

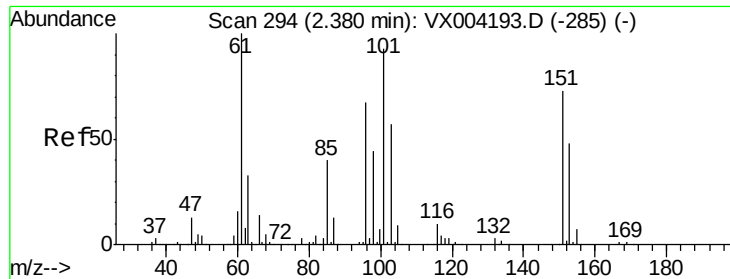


#8

Diethyl Ether
 Concen: 51.427 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.739 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

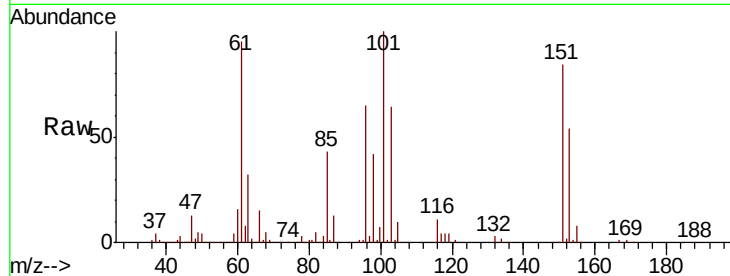
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	151097
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	82.4	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM

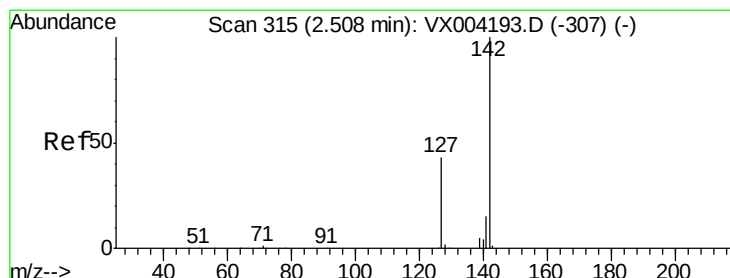
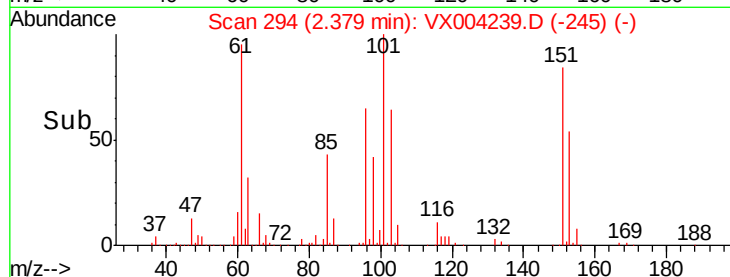
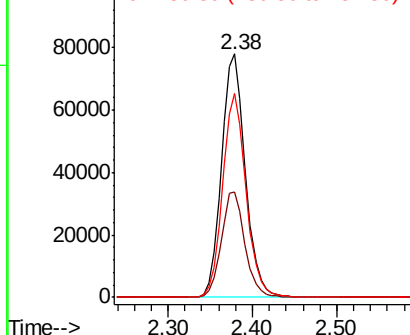


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.993 ug/l

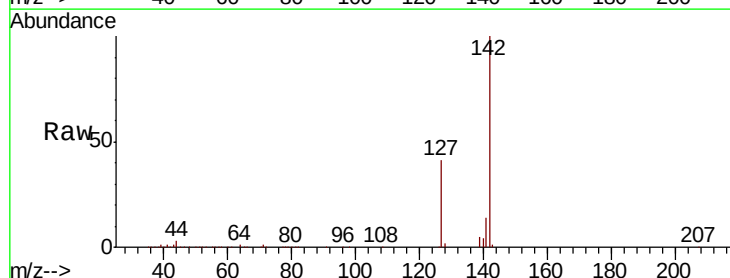
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	142	Resp:	169686
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.8	50.6
141	13.9	11.4	17.0

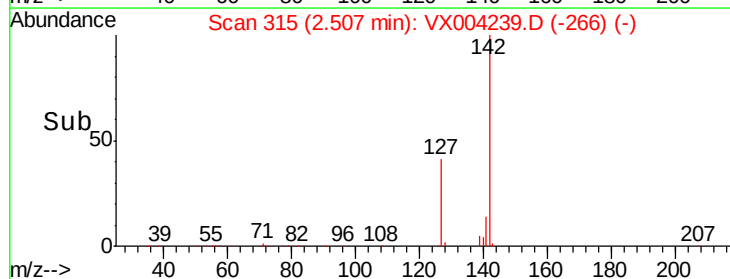
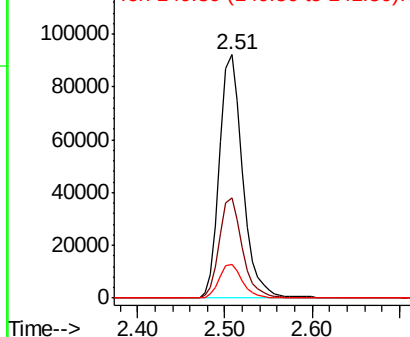


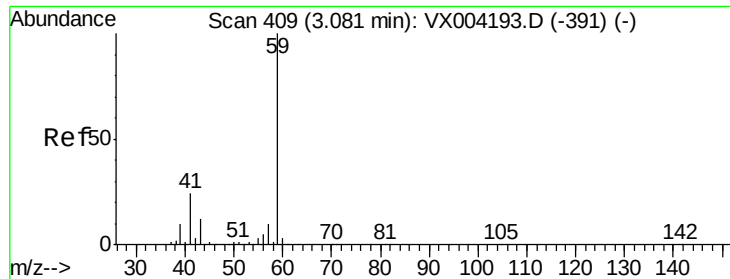
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





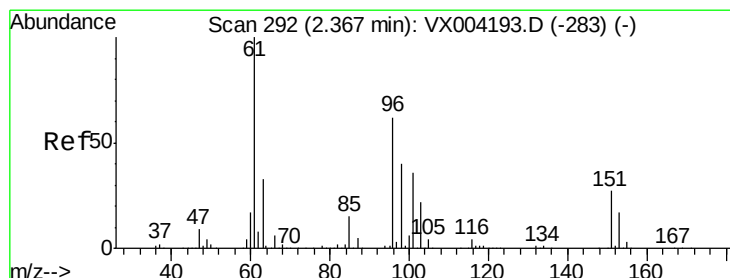
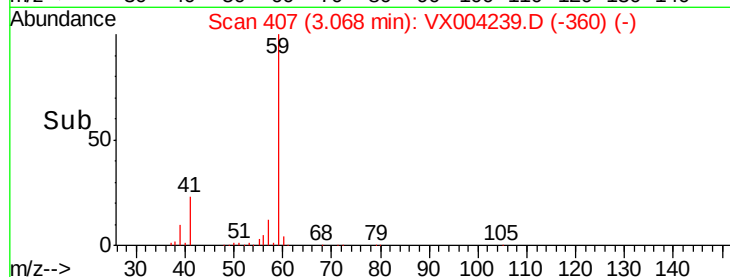
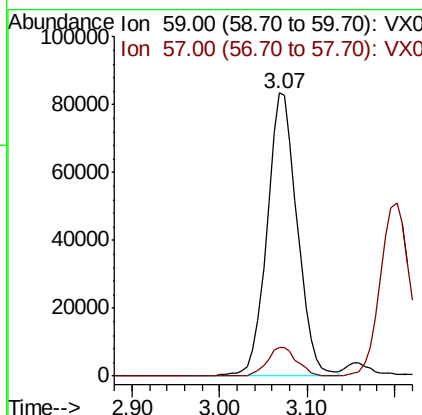
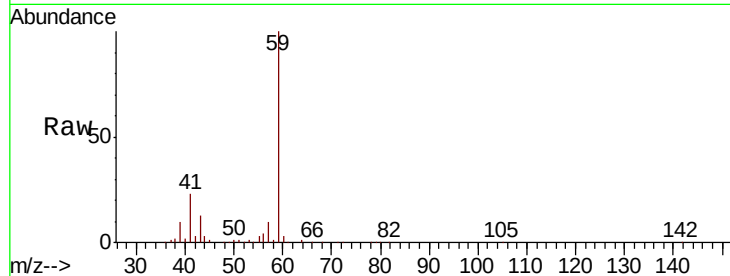
#11
Tert butyl alcohol
Concen: 241.948 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 201865
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

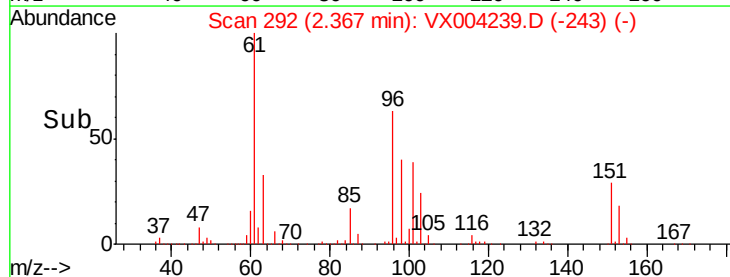
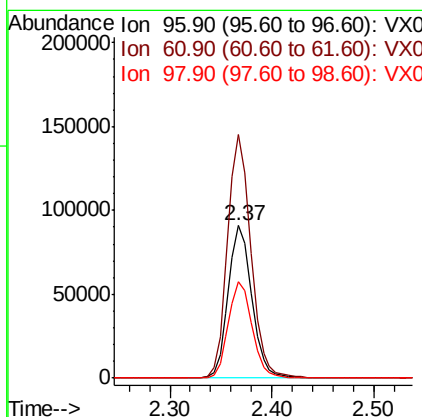
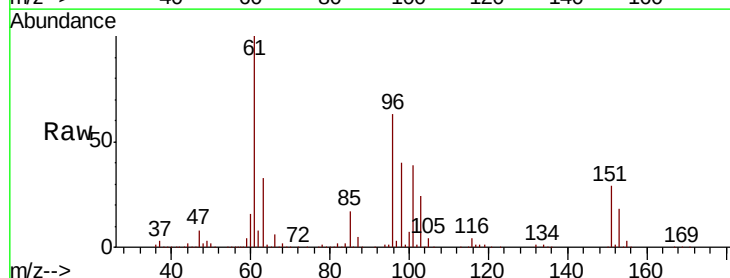
Manual Integrations
APPROVED

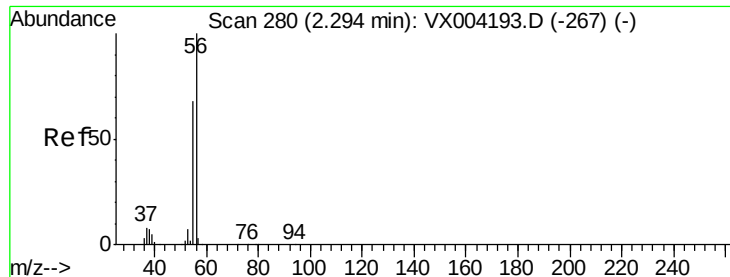
MMDadoda
8/25/2018 11:42:36 AM



#12
1,1-Dichloroethene
Concen: 45.842 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion: 96 Resp: 145839
Ion Ratio Lower Upper
96 100
61 159.5 128.8 193.2
98 63.3 52.2 78.2





#13

Acrolein

Concen: 408.046 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 82077

Ion Ratio Lower Upper

56 100

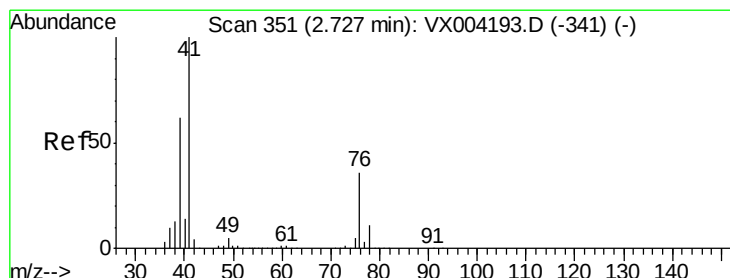
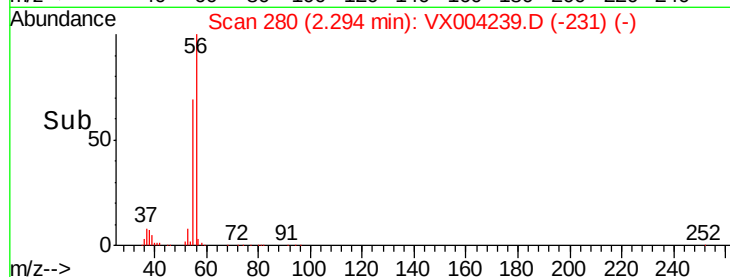
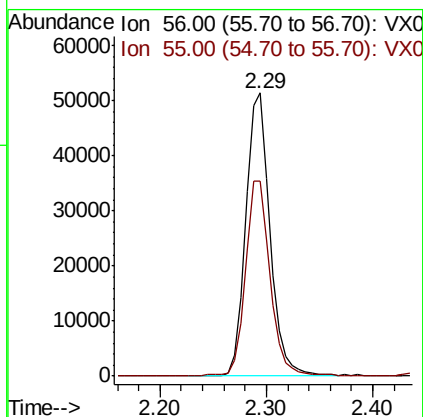
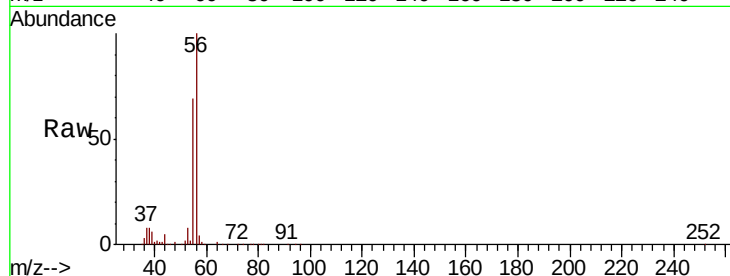
55 70.2 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



#14

Allyl chloride

Concen: 48.550 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

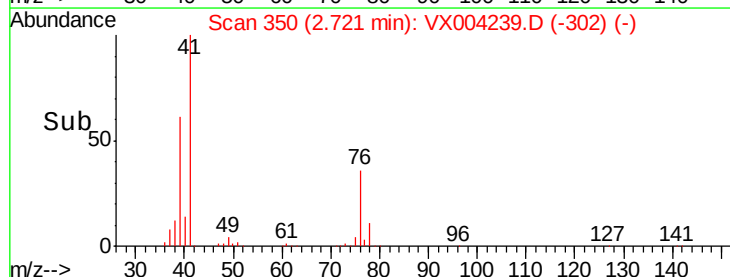
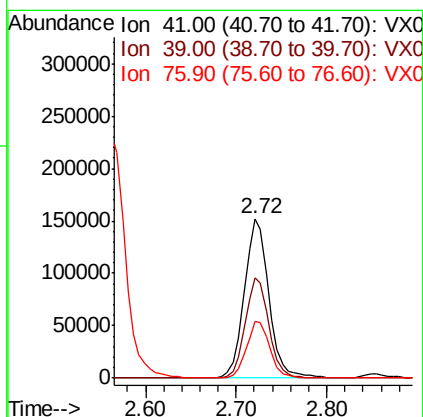
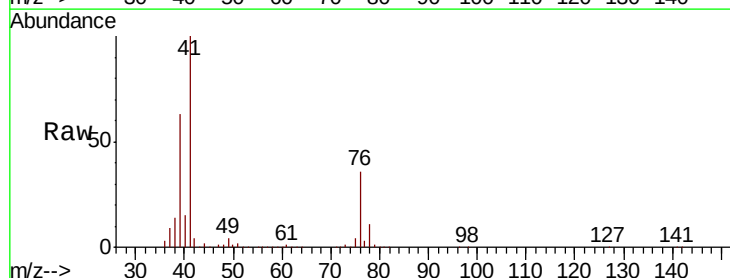
Tgt Ion: 41 Resp: 283773

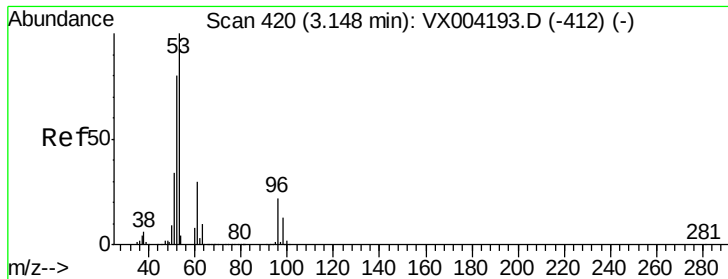
Ion Ratio Lower Upper

41 100

39 60.6 48.9 73.3

76 34.0 26.7 40.1





#15

Acrylonitrile

Concen: 237.847 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

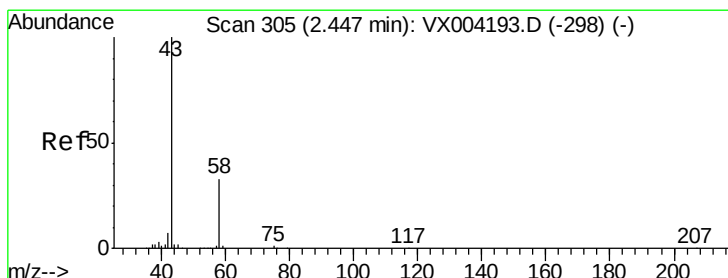
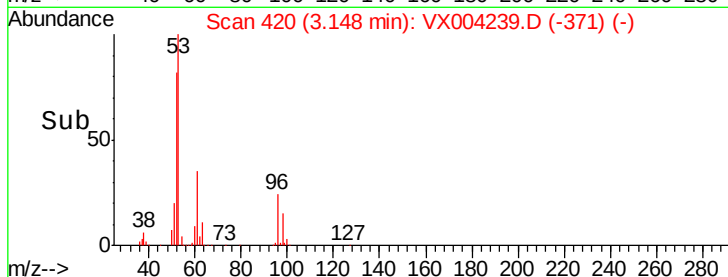
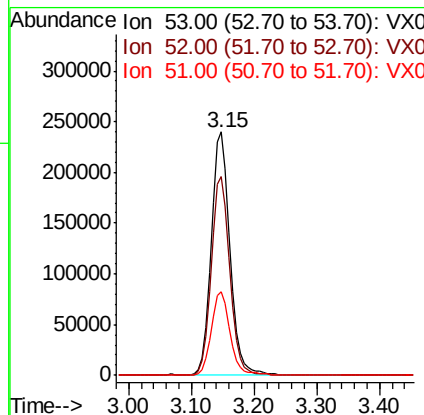
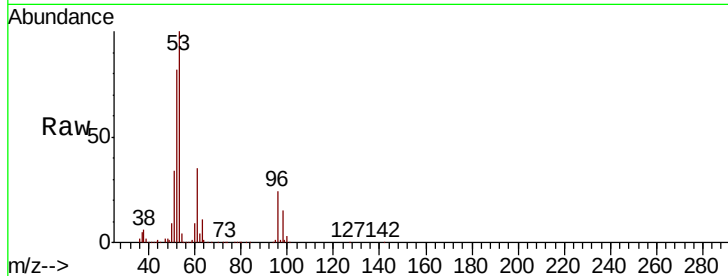
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	491449
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#16

Acetone

Concen: 264.932 ug/l

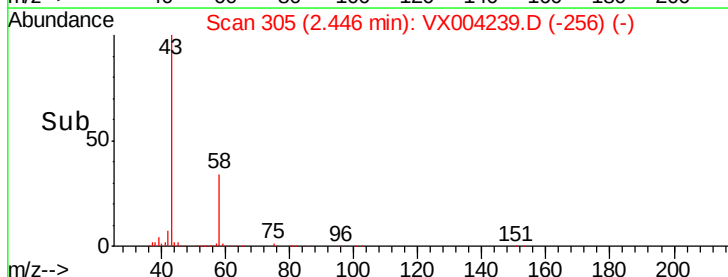
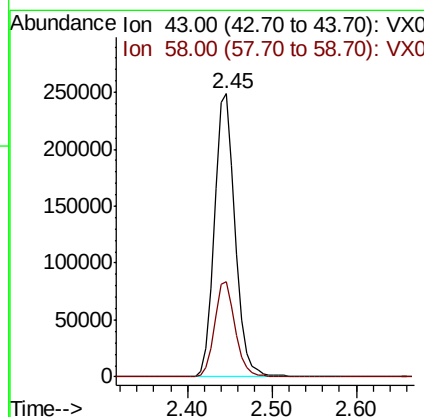
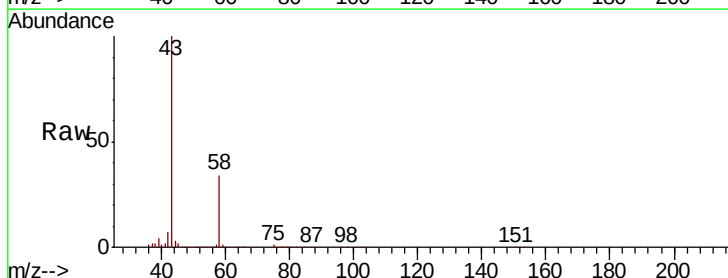
RT: 2.45 min Scan# 305

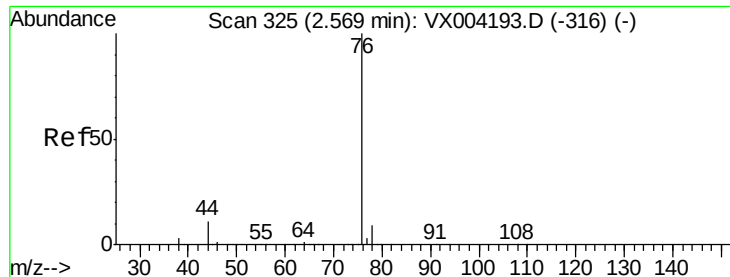
Delta R.T. 0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	43	Resp:	422532
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.2	39.4





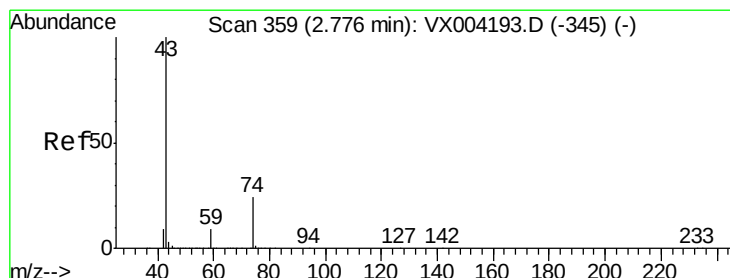
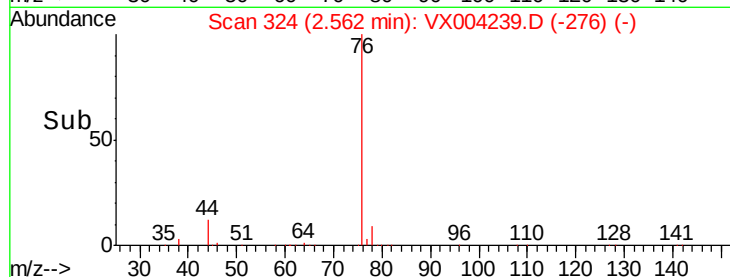
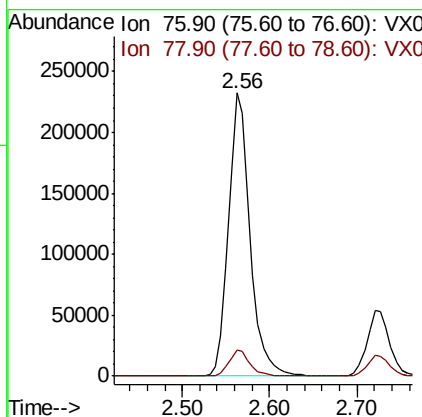
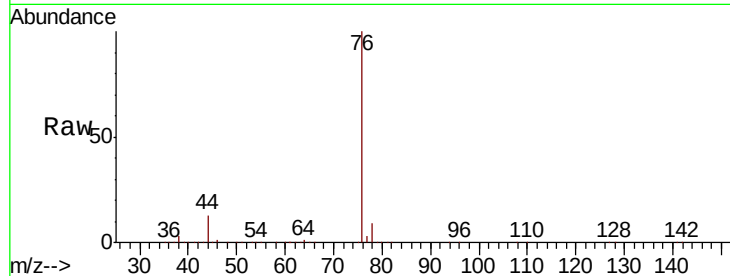
#17
Carbon Disulfide
Concen: 45.191 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

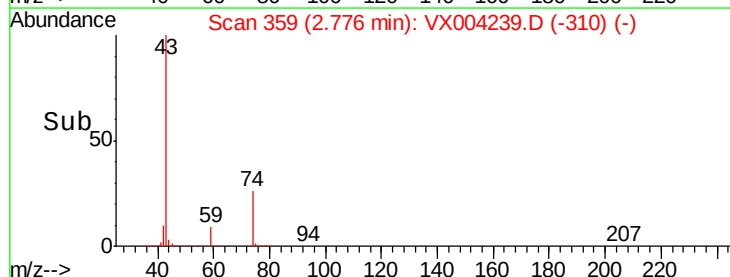
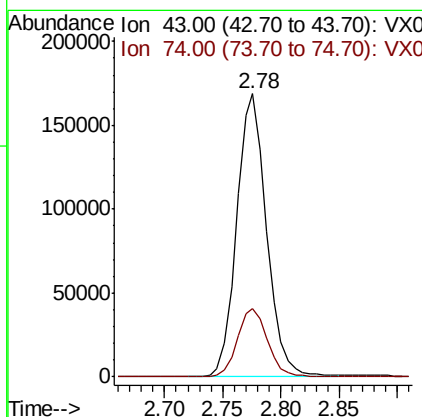
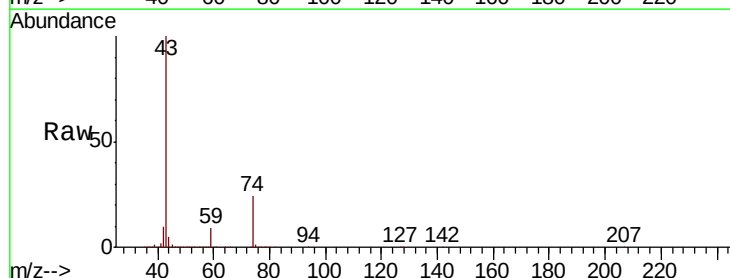
Manual Integrations
APPROVED

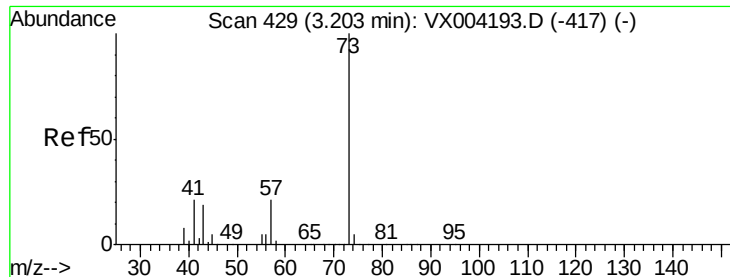
MMDadoda
8/25/2018 11:42:36 AM



#18
Methyl Acetate
Concen: 51.677 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.2





#19

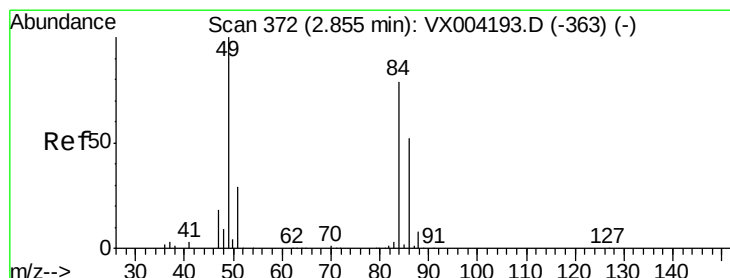
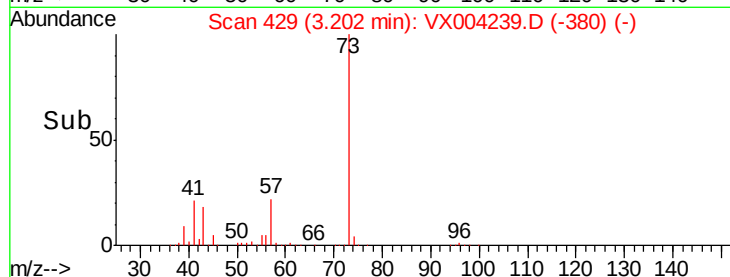
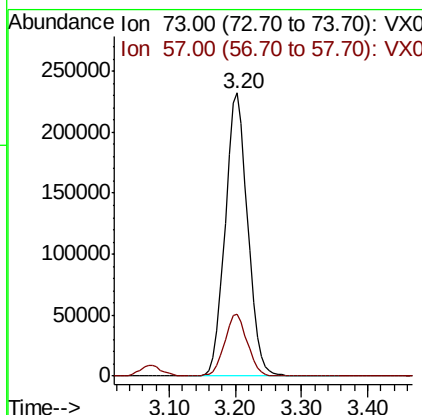
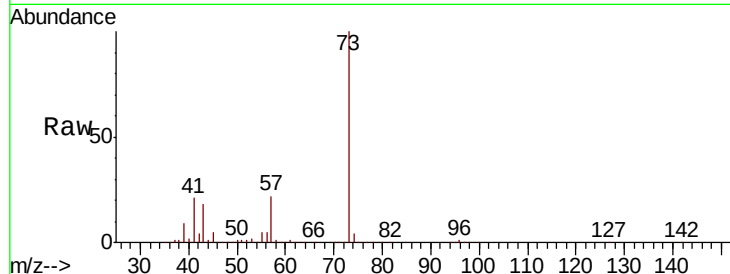
Methyl tert-butyl Ether
 Concen: 52.049 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 73 Resp: 545690
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.1 25.7

Manual Integrations
 APPROVED

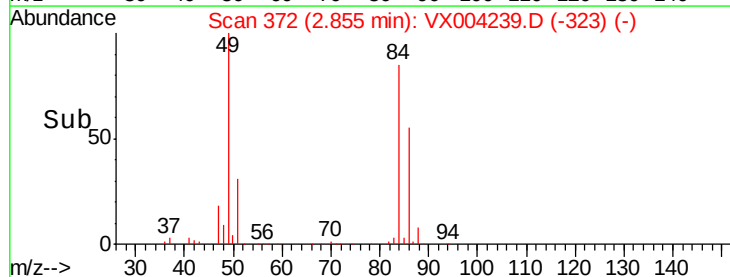
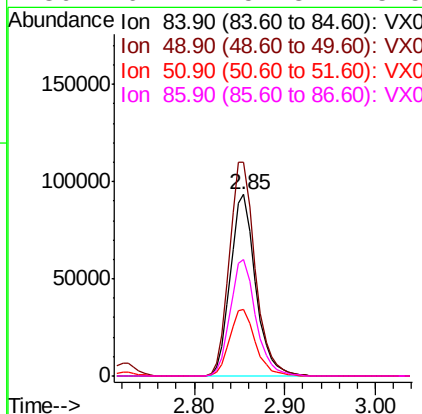
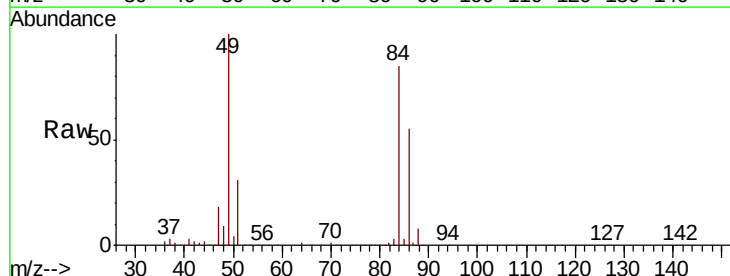
MMDadoda
 8/25/2018 11:42:36 AM

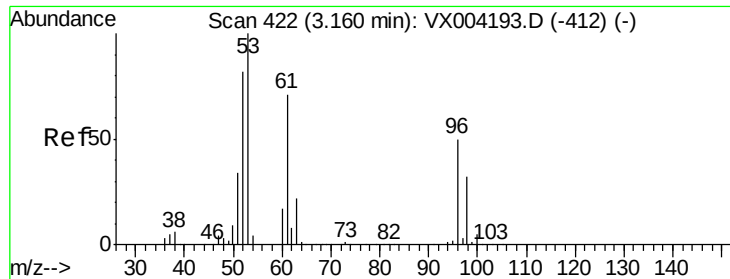


#20

Methylene Chloride
 Concen: 48.019 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion: 84 Resp: 180923
 Ion Ratio Lower Upper
 84 100
 49 117.6 101.2 151.8
 51 36.7 29.5 44.3
 86 64.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.176 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 166120

Ion Ratio Lower Upper

96 100

61 133.8 113.8 170.6

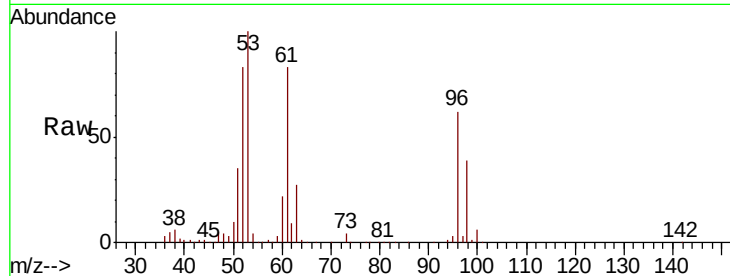
98 63.1 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

150000

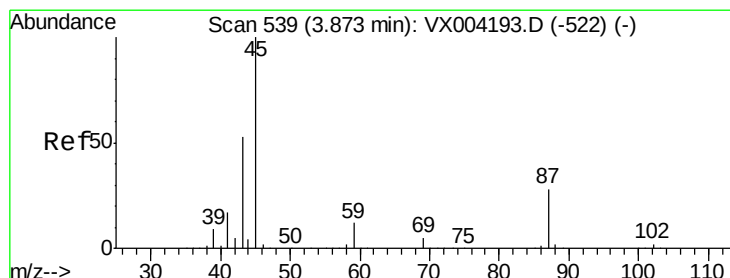
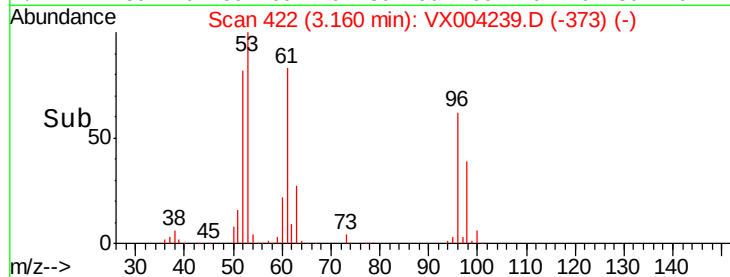
100000

50000

0

3.16

Time-->



#22

Diisopropyl ether

Concen: 49.716 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion: 45 Resp: 542566

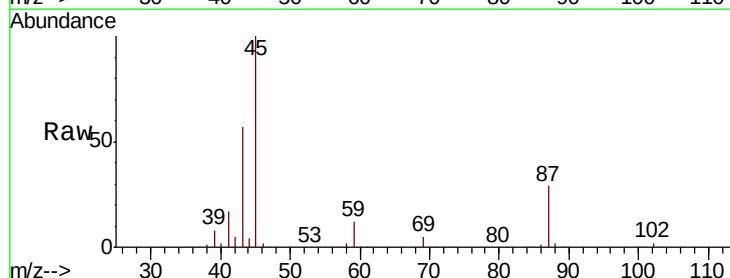
Ion Ratio Lower Upper

45 100

43 56.8 42.8 64.2

87 28.9 22.6 34.0

59 11.9 9.6 14.4



Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

1200000

1000000

800000

600000

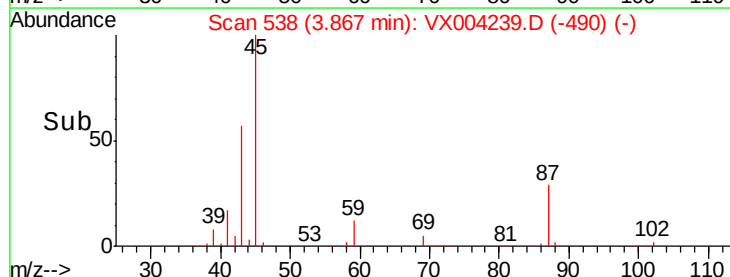
400000

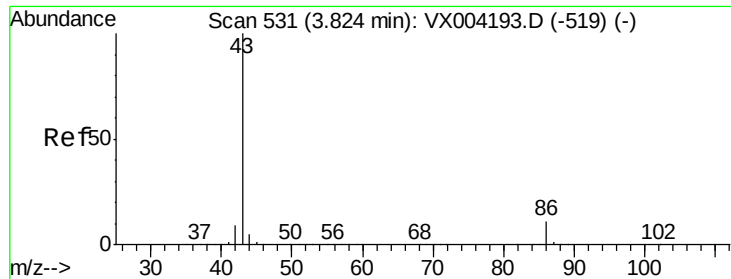
200000

0

3.87

Time-->





#23

Vinyl Acetate

Concen: 248.833 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2200974

Ion Ratio Lower Upper

43 100

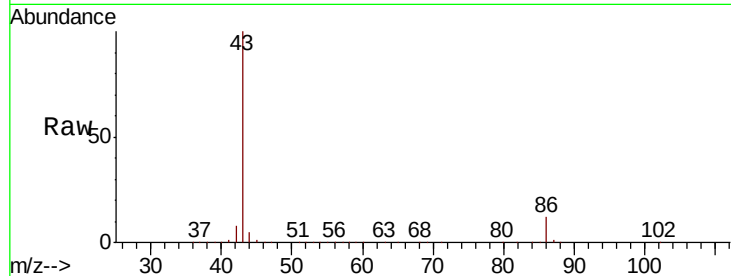
86 11.8 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

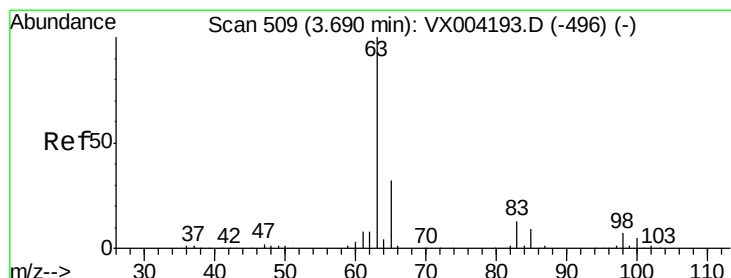
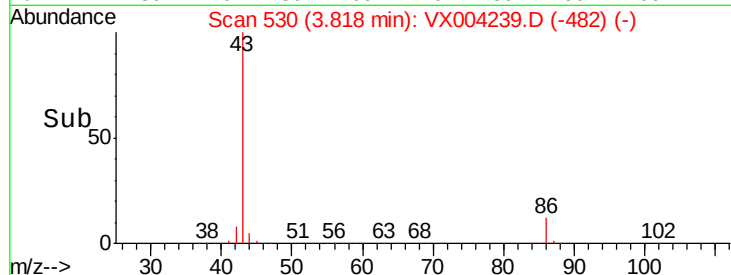
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.781 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

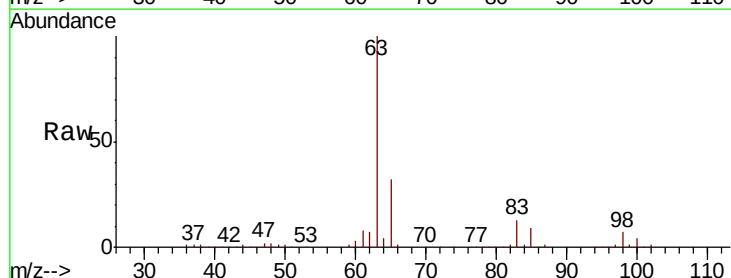
Tgt Ion: 63 Resp: 310252

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.4 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

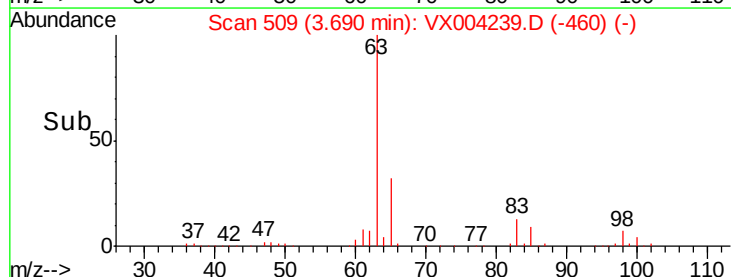
150000

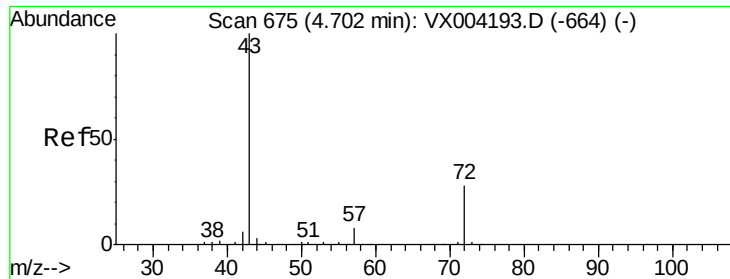
100000

50000

0

Time-->





#25

2-Butanone

Concen: 246.534 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 646679

Ion Ratio Lower Upper

43 100

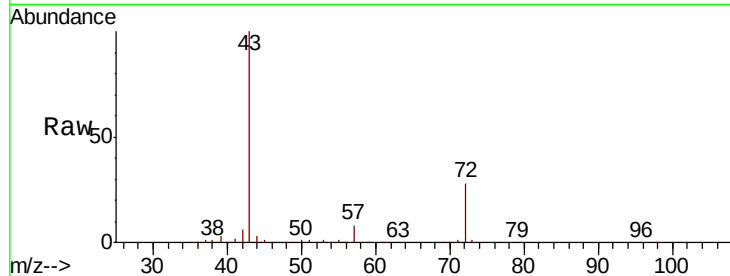
72 27.6 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

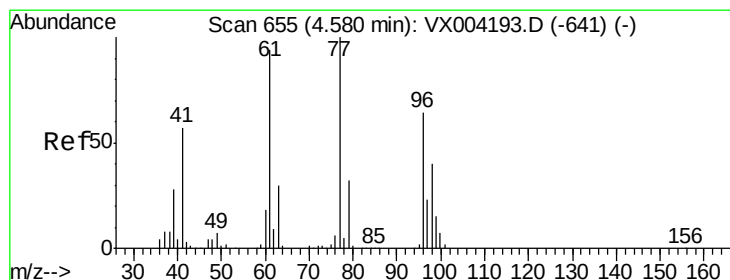
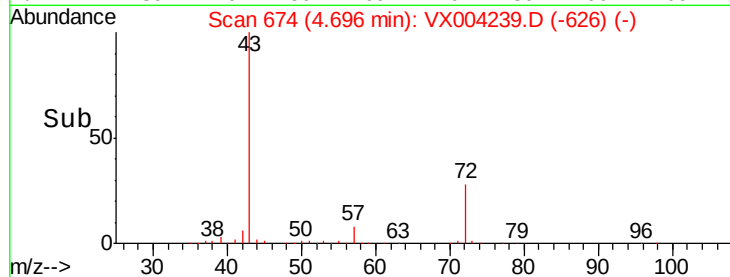
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.916 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004239.D

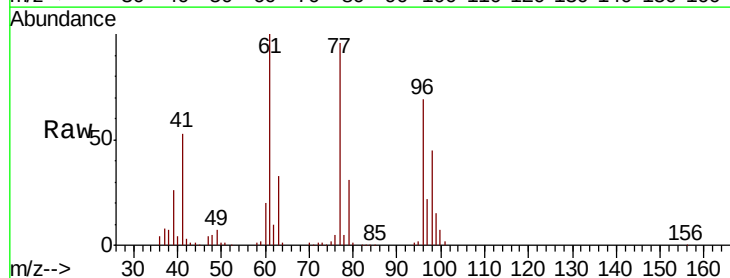
Acq: 24 Aug 2018 11:22

Tgt Ion: 77 Resp: 244009

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

20000

0

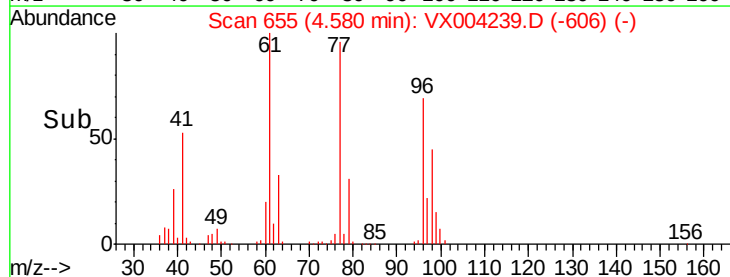
4.40

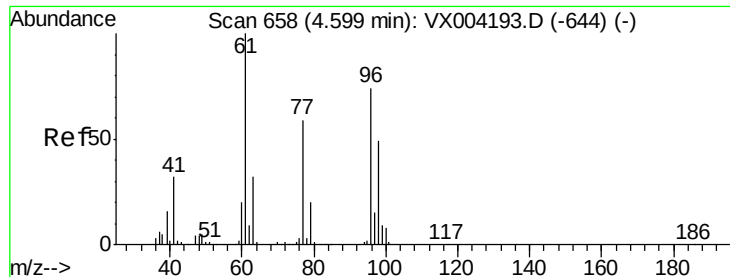
4.50

4.60

4.70

Time-->





#27

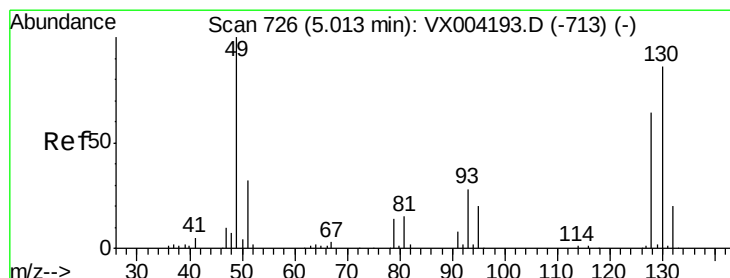
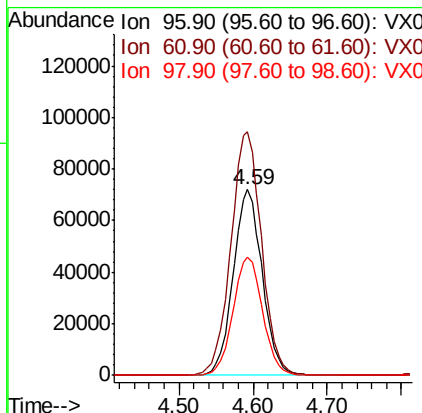
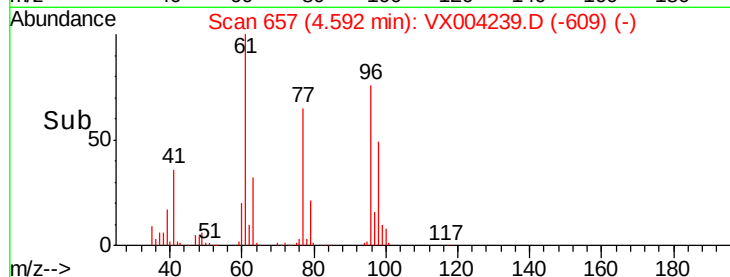
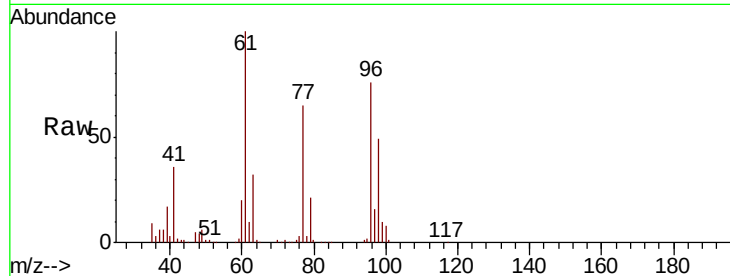
cis-1,2-Dichloroethene
Concen: 49.165 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	196360		
61	138.8	0.0	282.6	
98	64.9	0.0	130.2	

Manual Integrations
APPROVED

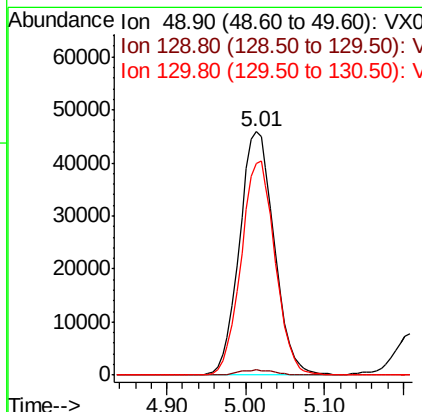
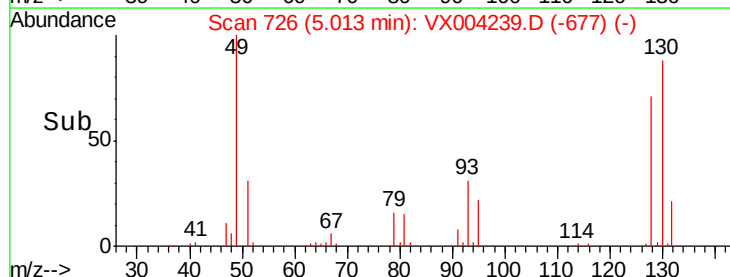
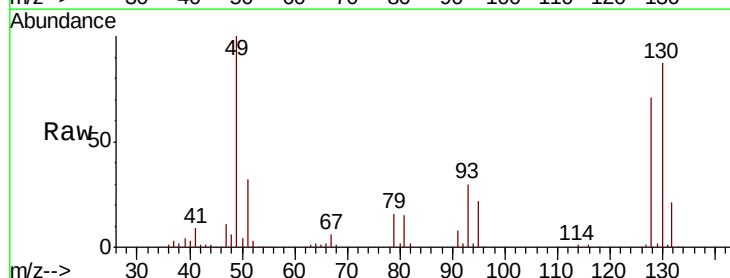
MMDadoda
8/25/2018 11:42:36 AM

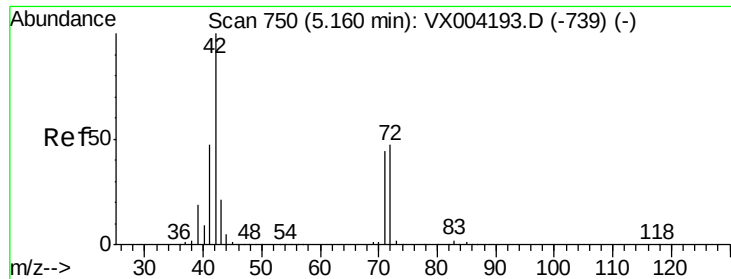


#28

Bromochloromethane
Concen: 49.989 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140758		
129	2.0	0.0	4.2	
130	85.9	67.5	101.3	





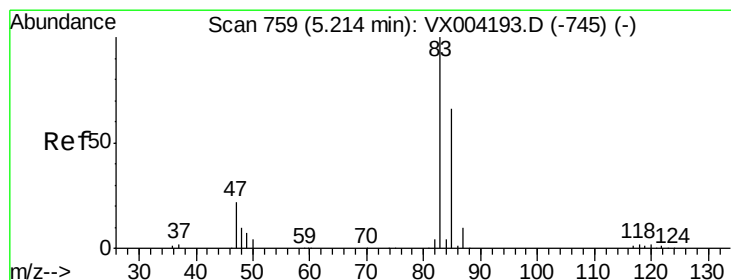
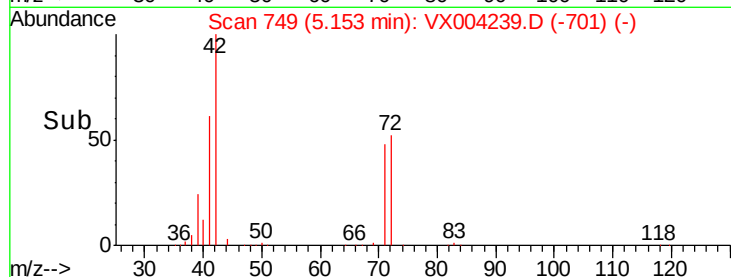
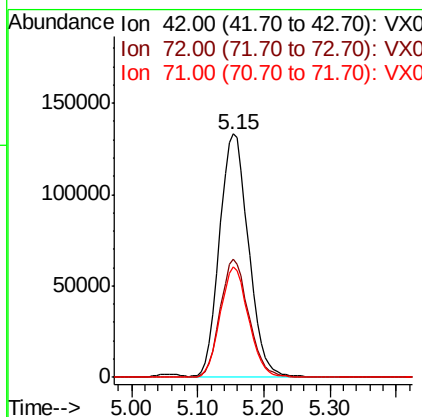
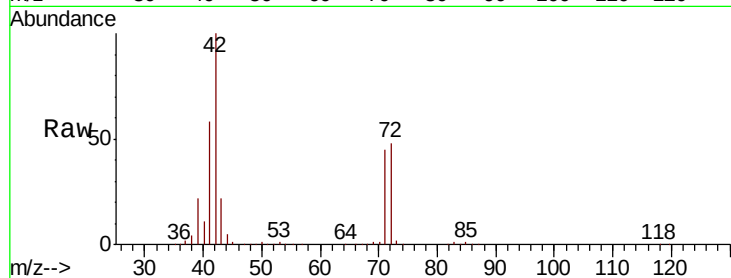
#29
Tetrahydrofuran
Concen: 240.516 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.4	56.0
71	44.5	34.5	51.7

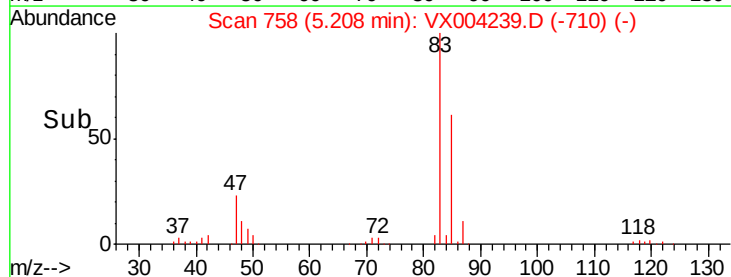
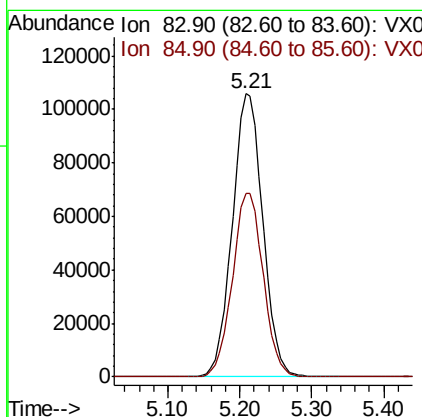
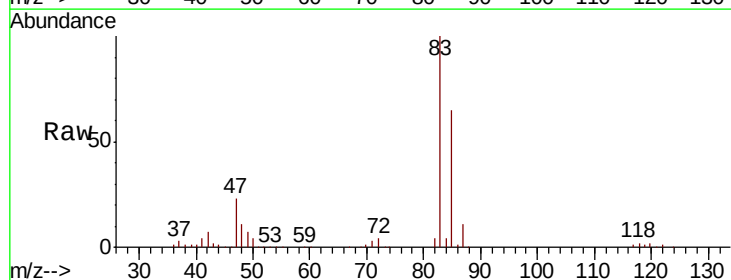
Manual Integrations
APPROVED

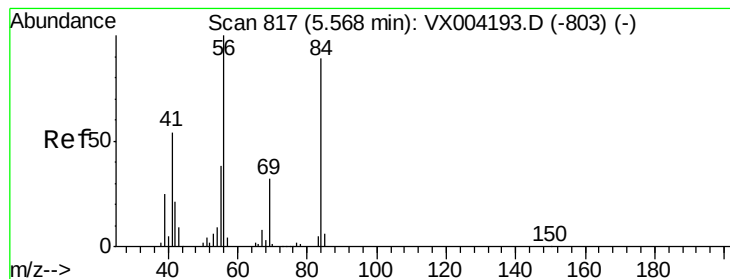
MMDadoda
8/25/2018 11:42:36 AM



#30
Chloroform
Concen: 48.875 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	79.0





#31

Cyclohexane

Concen: 44.886 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

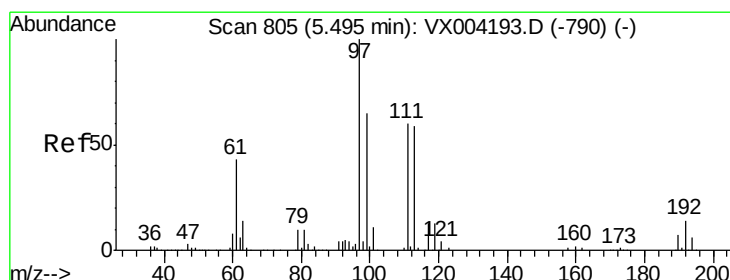
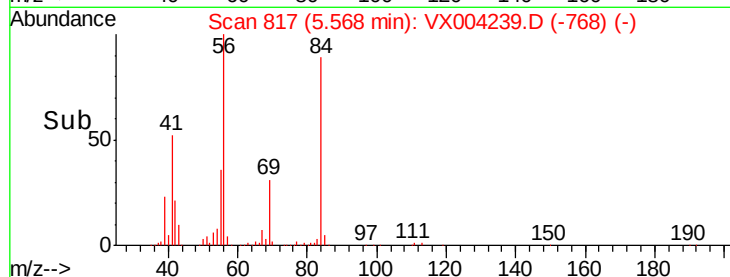
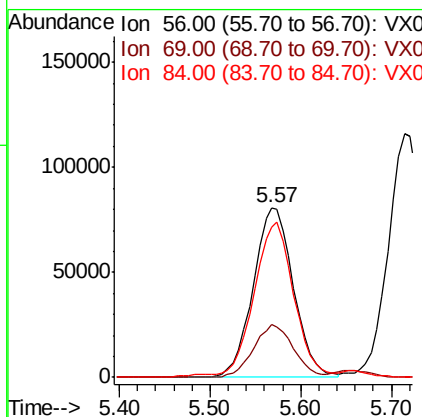
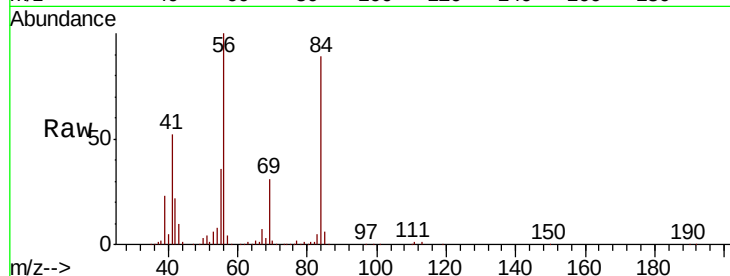
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	246313
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.4	38.2
84	87.5	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#32

1,1,1-Trichloroethane

Concen: 47.349 ug/l

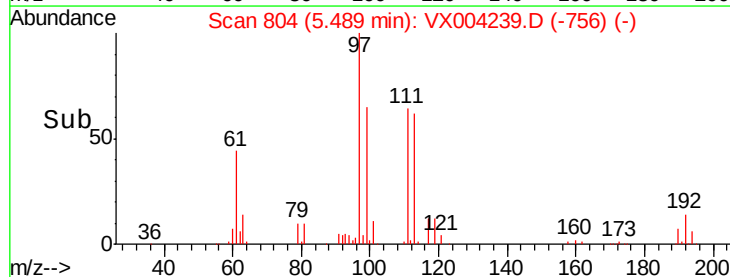
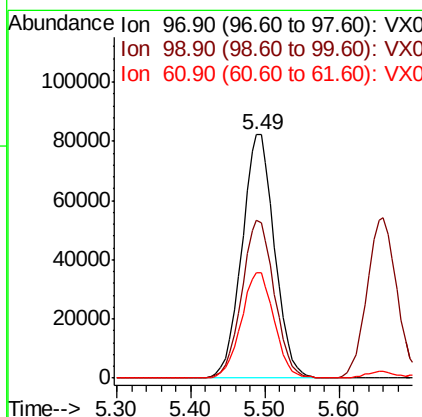
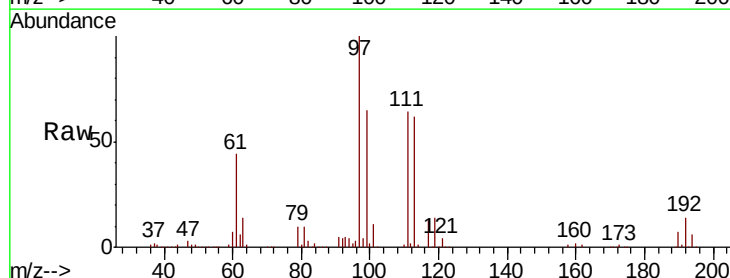
RT: 5.49 min Scan# 804

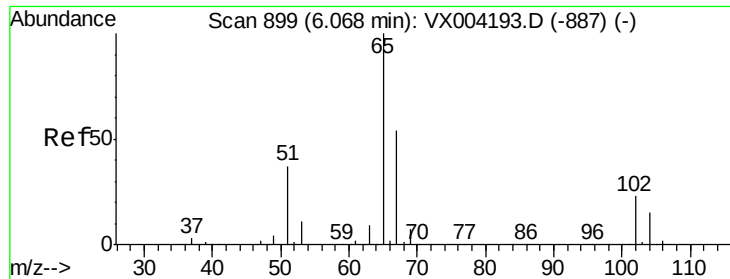
Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	97	Resp:	251771
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	43.9	34.9	52.3





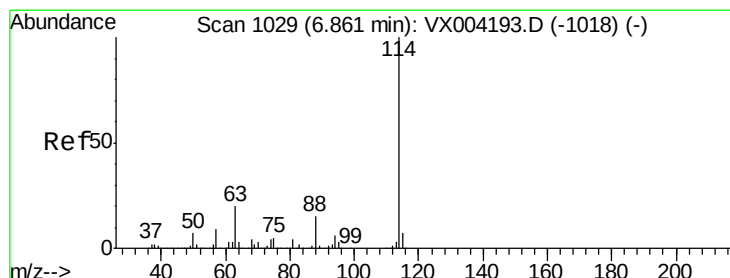
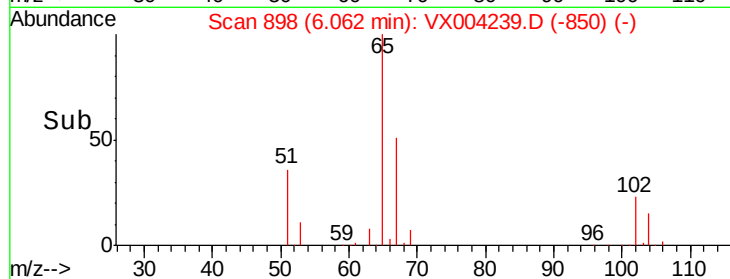
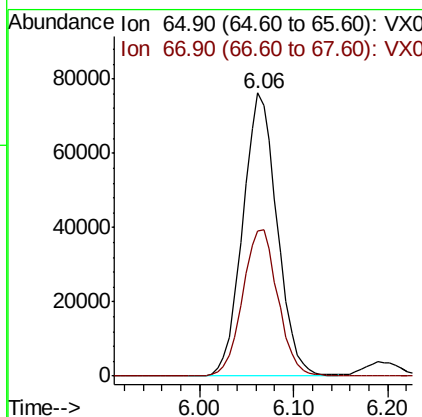
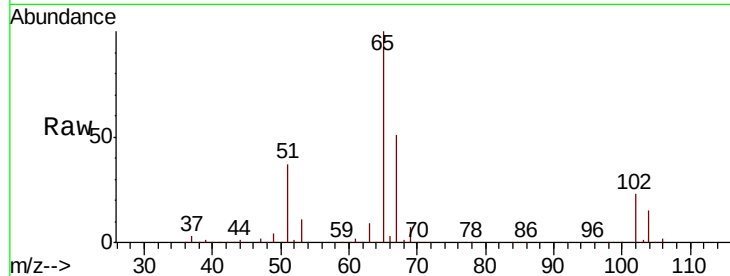
#33
 1,2-Dichloroethane-d4
 Concen: 49.875 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	195212		
67	53.1	0.0	106.8	

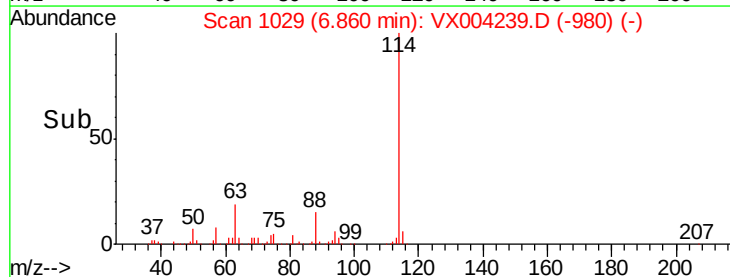
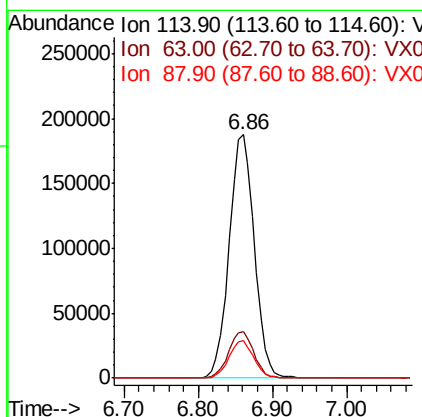
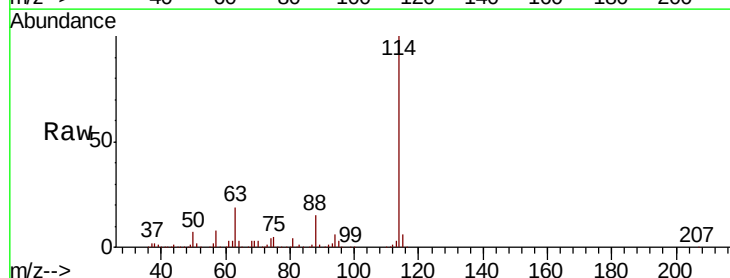
Manual Integrations
 APPROVED

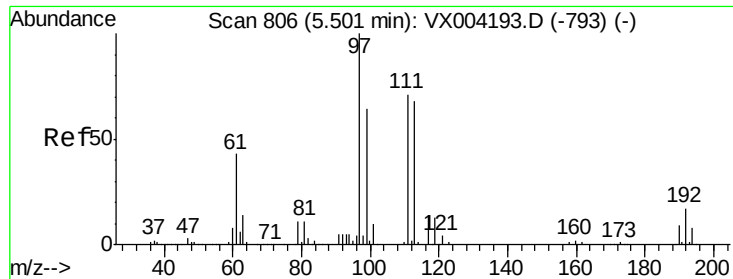
MMDadoda
 8/25/2018 11:42:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	444660		
63	19.2	0.0	39.0	
88	15.2	0.0	30.4	





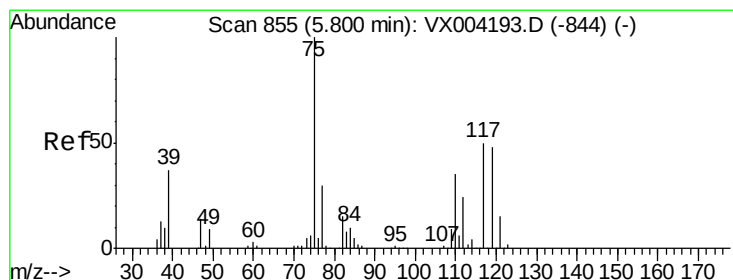
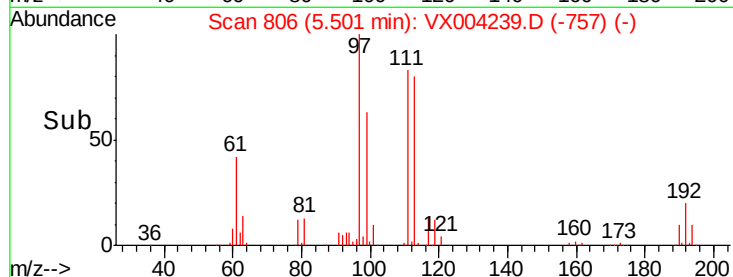
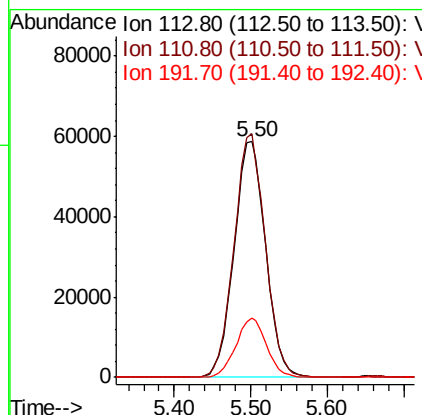
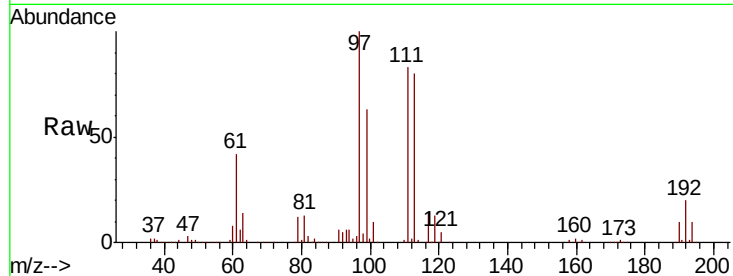
#35
 Dibromofluoromethane
 Concen: 50.622 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	167457		
111	102.0	82.4	123.6	
192	24.4	19.4	29.2	

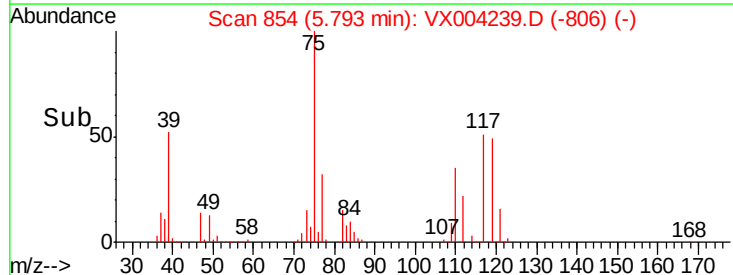
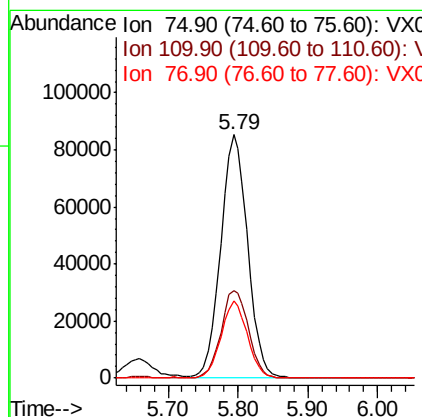
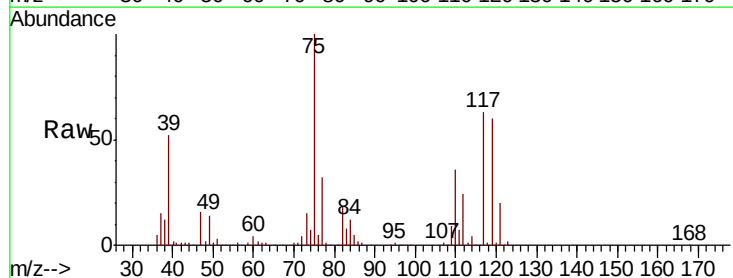
Manual Integrations
 APPROVED

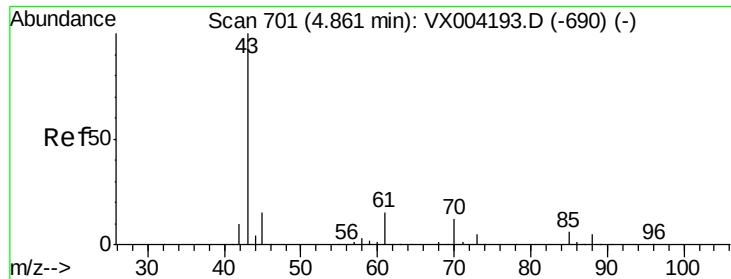
MMDadoda
 8/25/2018 11:42:36 AM



#36
 1,1-Dichloropropene
 Concen: 45.407 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226988		
110	36.8	18.0	54.0	
77	30.9	24.6	36.8	





#37

Ethyl Acetate

Concen: 48.119 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

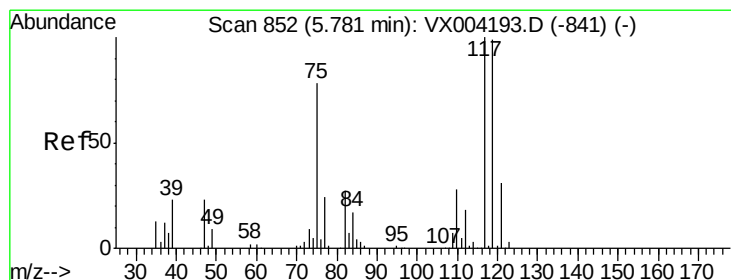
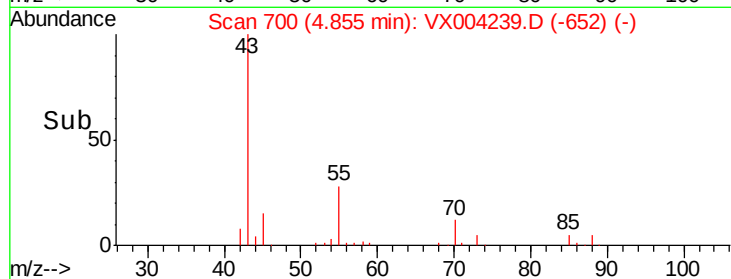
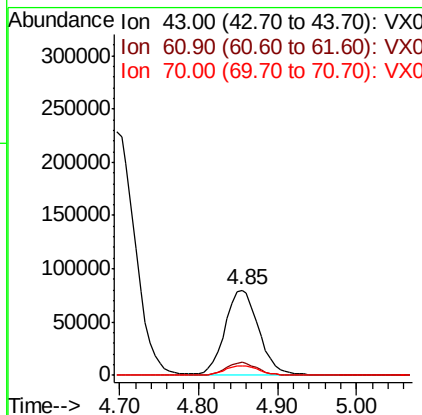
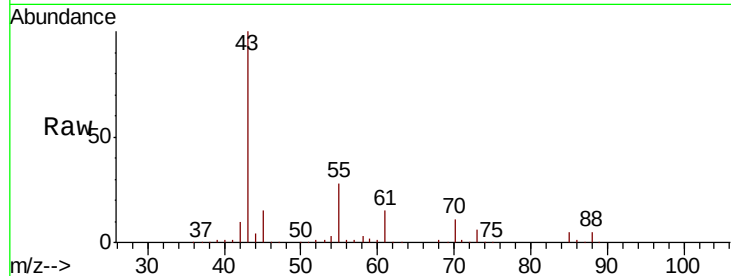
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	236575
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.5	17.3
70	11.6	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#38

Carbon Tetrachloride

Concen: 45.355 ug/l

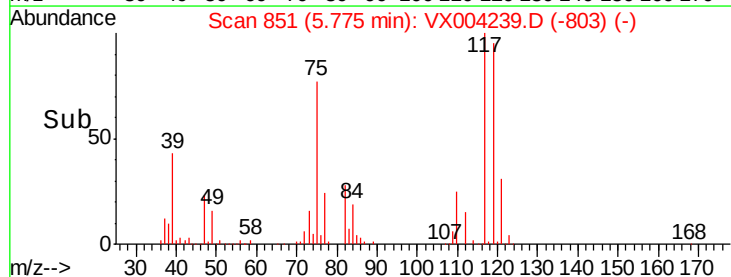
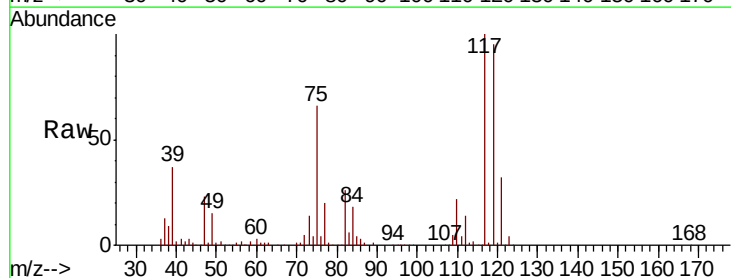
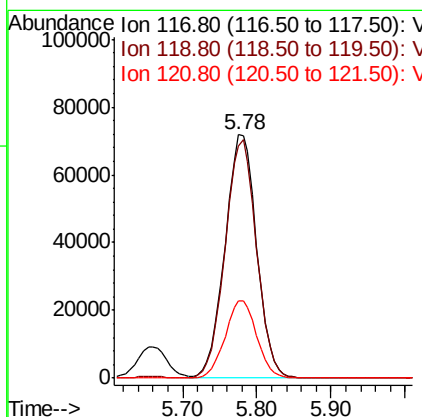
RT: 5.78 min Scan# 851

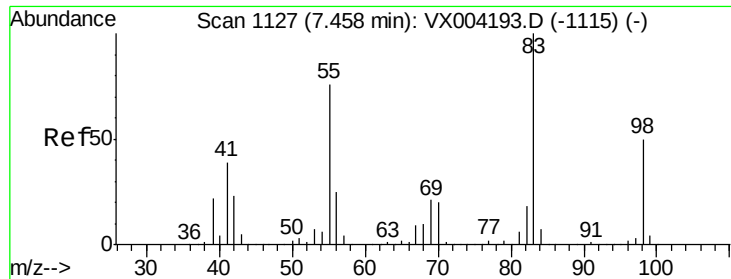
Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	117	Resp:	213285
Ion Ratio	Lower	Upper	
117	100		
119	95.2	78.8	118.2
121	31.5	24.9	37.3





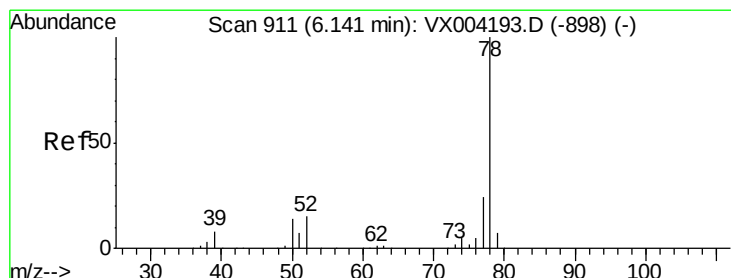
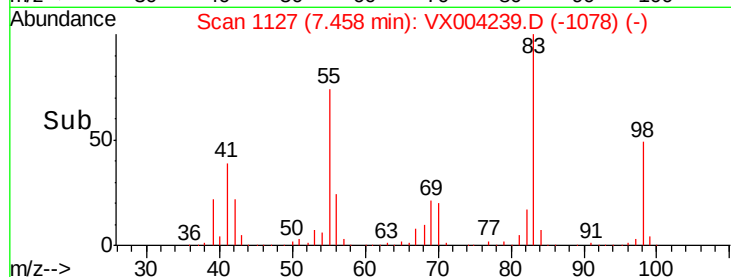
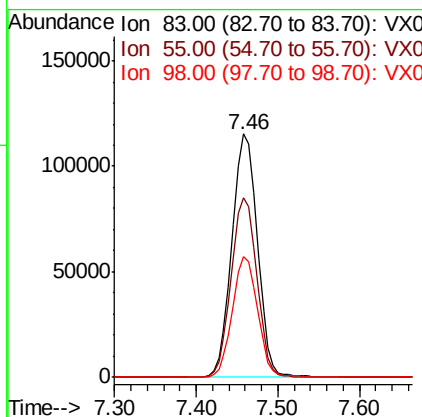
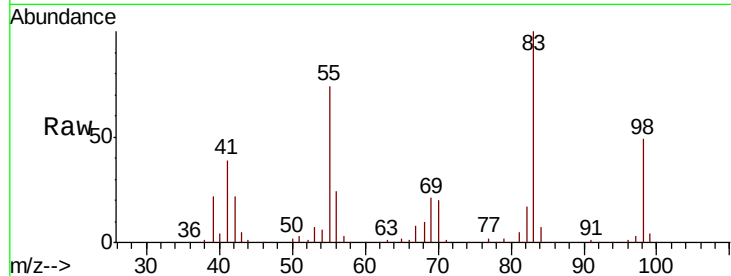
#39
Methylcyclohexane
Concen: 43.609 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	248899		
55	74.0	61.0	91.4	
98	49.5	39.6	59.4	

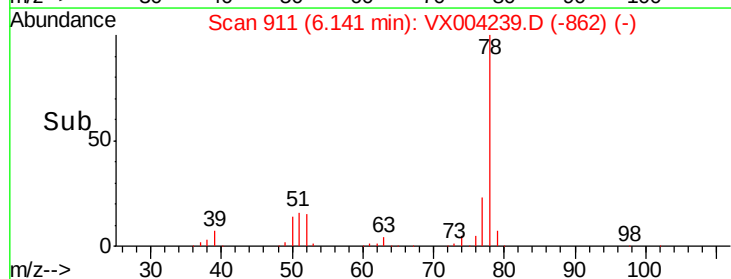
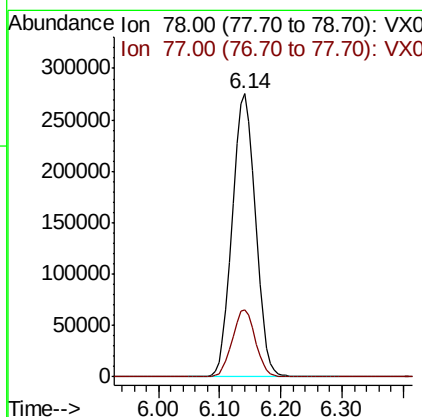
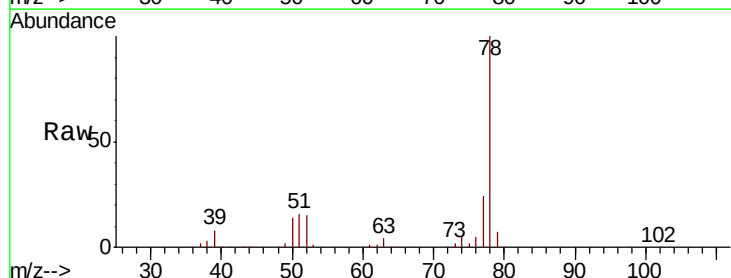
Manual Integrations
APPROVED

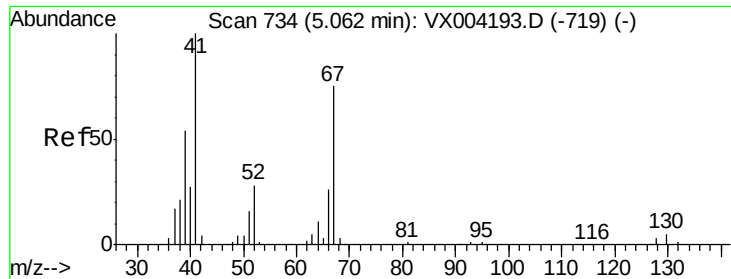
MMDadoda
8/25/2018 11:42:36 AM



#40
Benzene
Concen: 48.156 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	719322		
77	23.6	19.0	28.4	





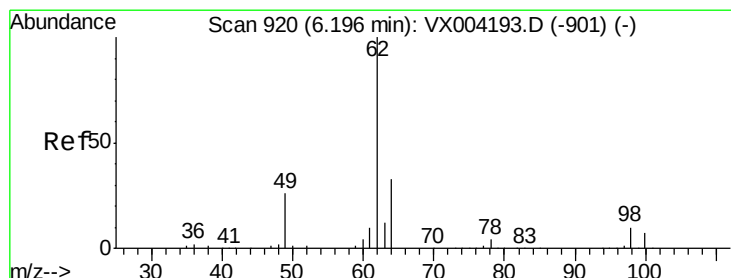
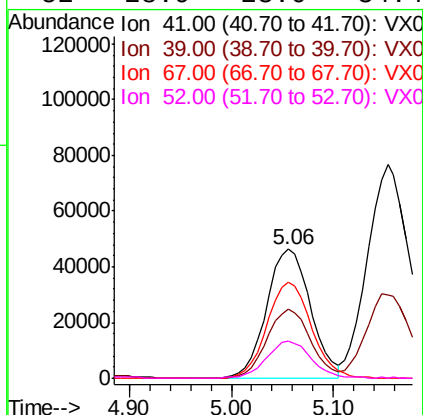
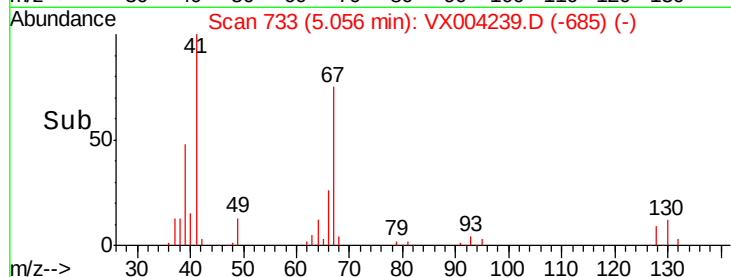
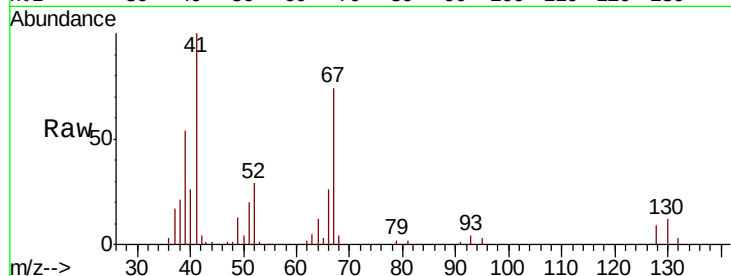
#41
Methacrylonitrile
Concen: 48.739 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.4	63.6
67	75.4	59.2	88.8
52	28.9	23.0	34.4

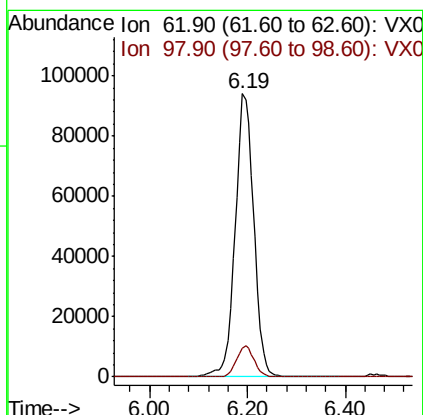
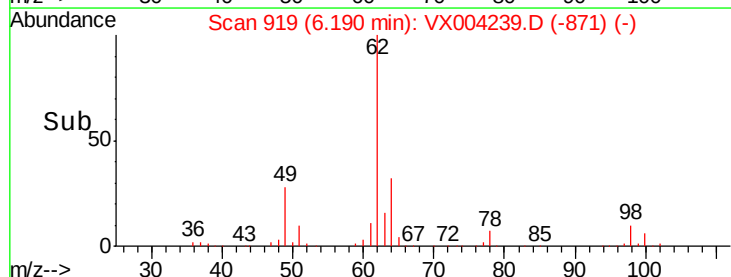
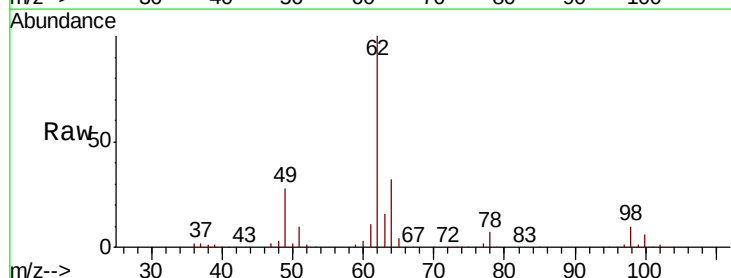
Manual Integrations
APPROVED

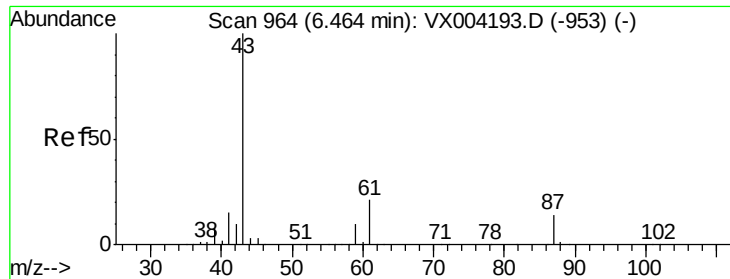
MMDadoda
8/25/2018 11:42:36 AM



#42
1,2-Dichloroethane
Concen: 48.615 ug/l
RT: 6.19 min Scan# 919
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.565 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

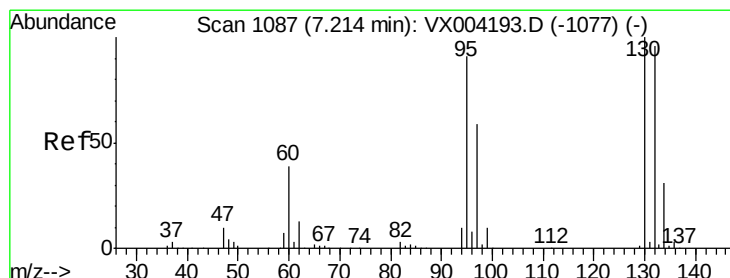
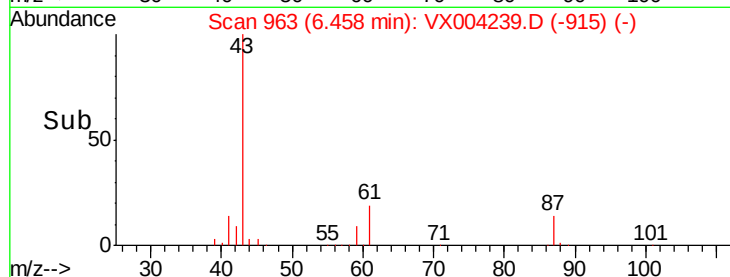
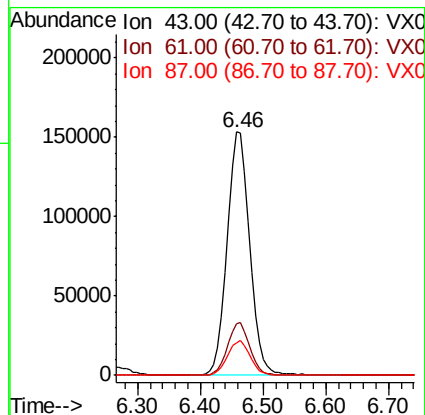
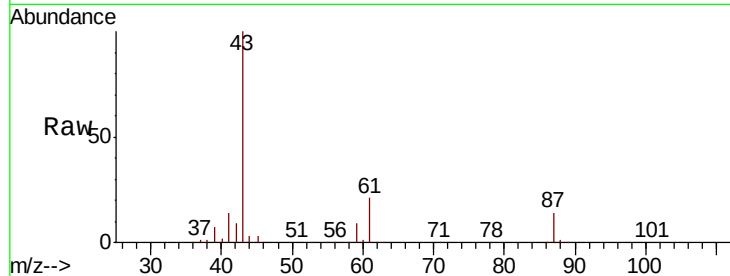
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	381995
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.4	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#44

Trichloroethene

Concen: 46.932 ug/l

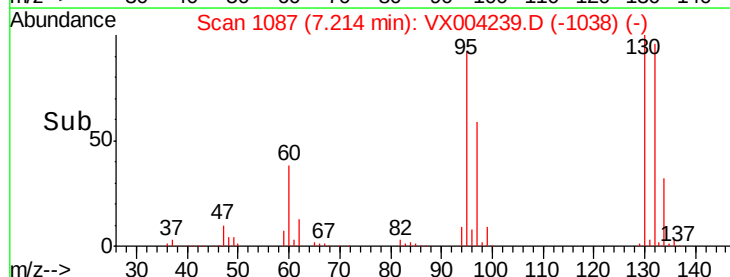
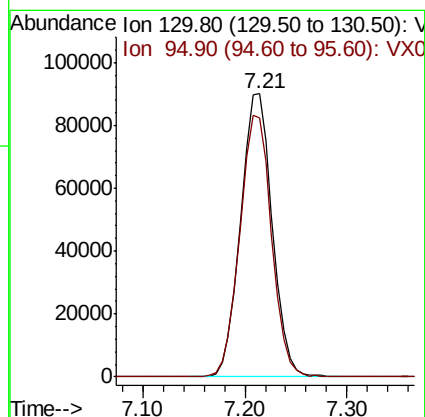
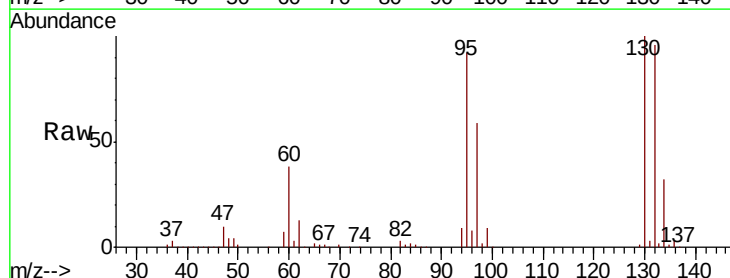
RT: 7.21 min Scan# 1087

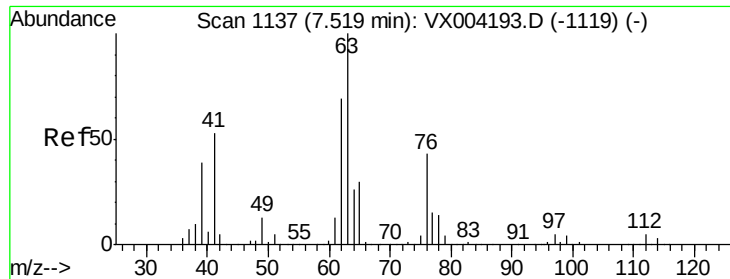
Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	130	Resp:	194051
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	181.6





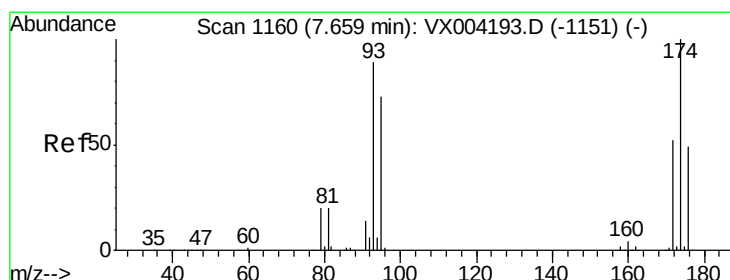
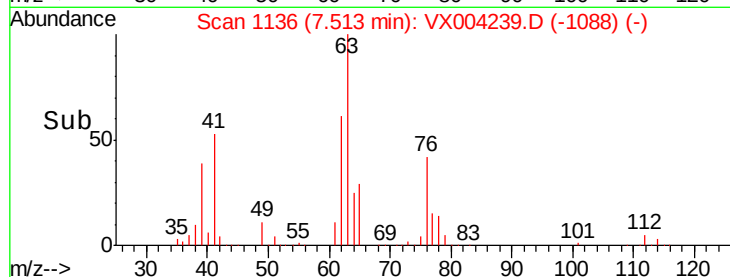
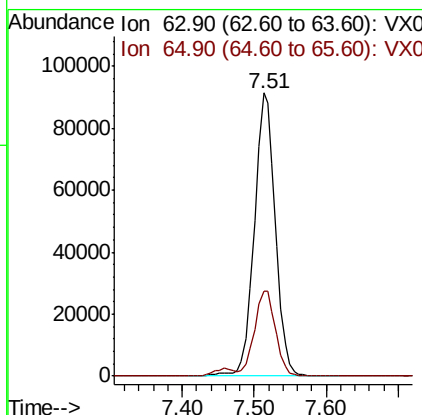
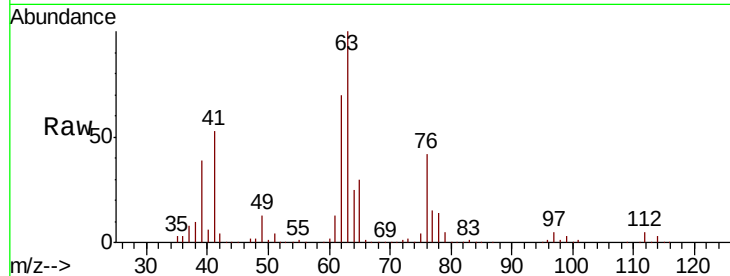
#45
 1,2-Dichloropropane
 Concen: 49.614 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 185482
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

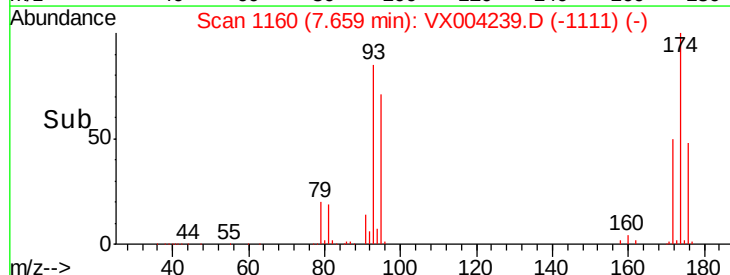
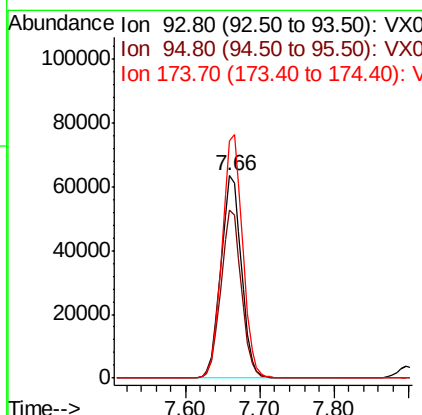
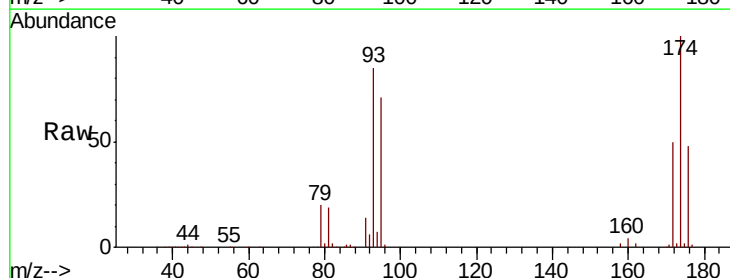
Manual Integrations
 APPROVED

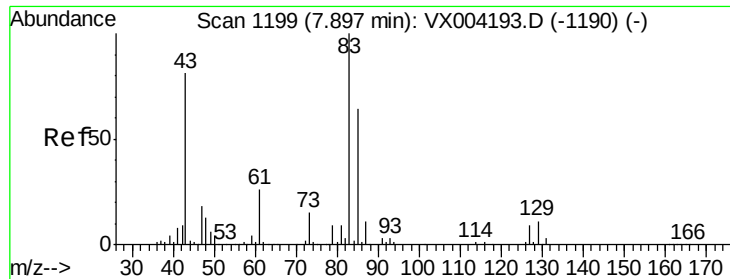
MMDadoda
 8/25/2018 11:42:36 AM



#46
 Dibromomethane
 Concen: 49.075 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion: 93 Resp: 122160
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.5 98.3
 174 119.7 94.2 141.4





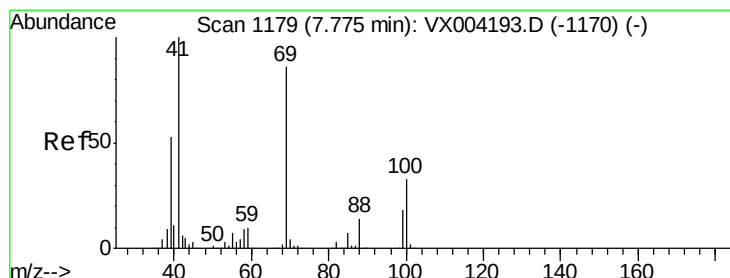
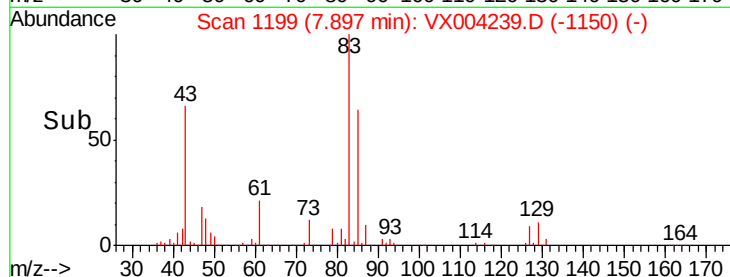
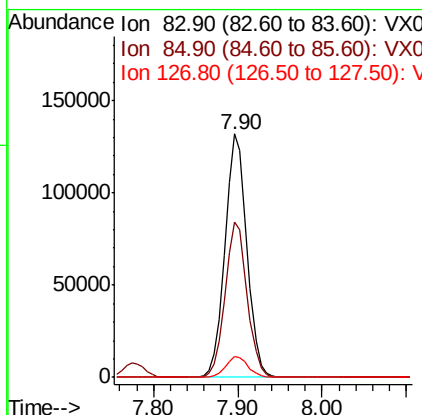
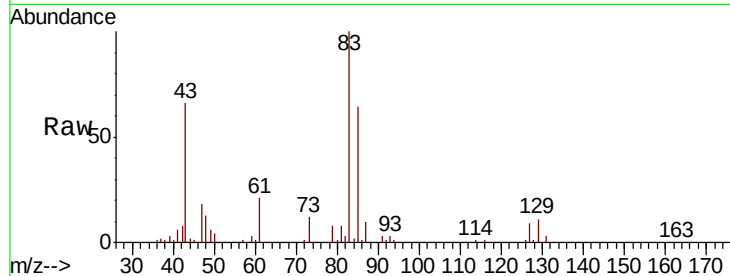
#47
 Bromodichloromethane
 Concen: 50.651 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.7	7.3	10.9

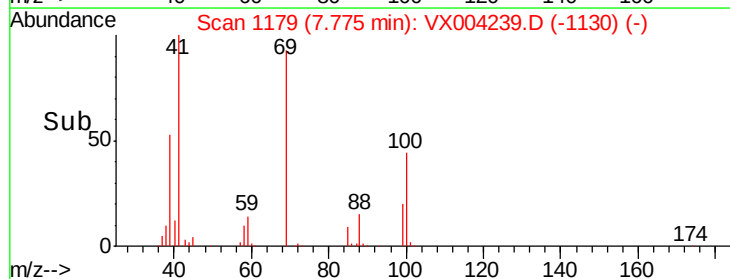
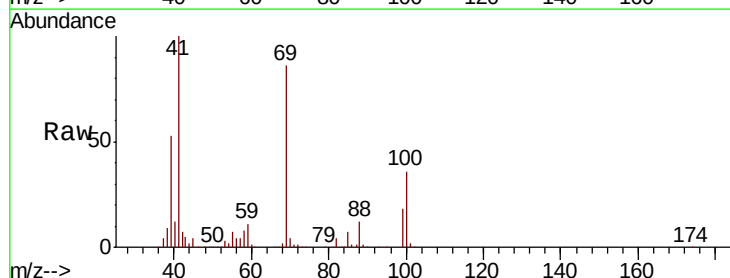
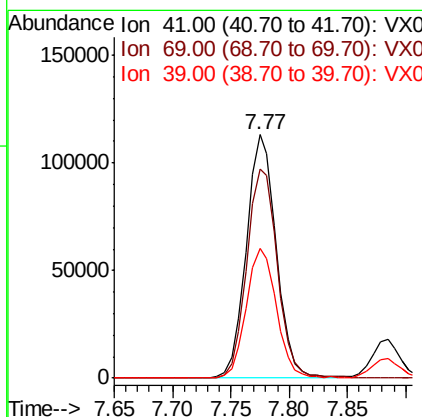
Manual Integrations
 APPROVED

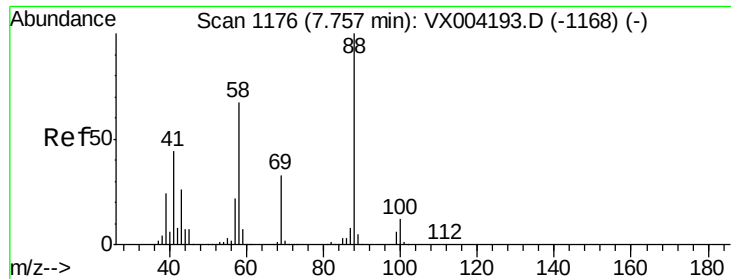
MMDadoda
 8/25/2018 11:42:36 AM



#48
 Methyl methacrylate
 Concen: 50.055 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.0	70.2	105.4
39	54.0	42.7	64.1





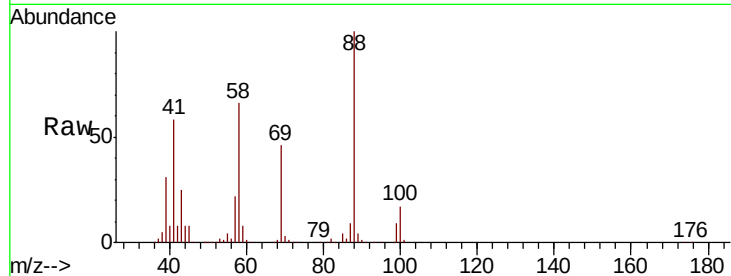
#49
1,4-Dioxane
Concen: 973.729 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

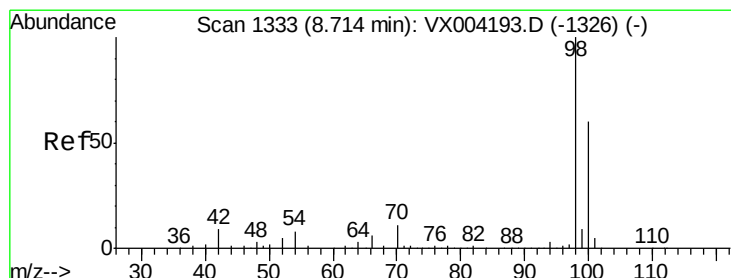
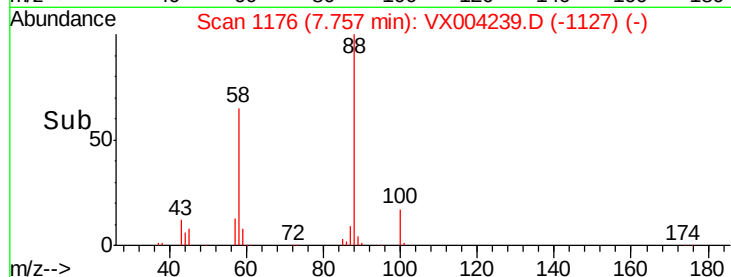
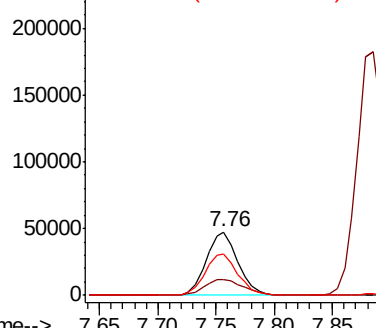
Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.7	37.1
58	68.4	55.3	82.9

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM

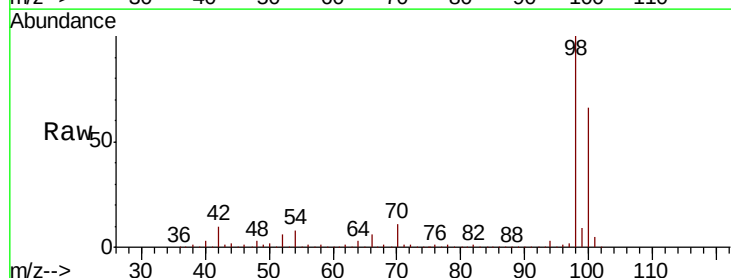


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

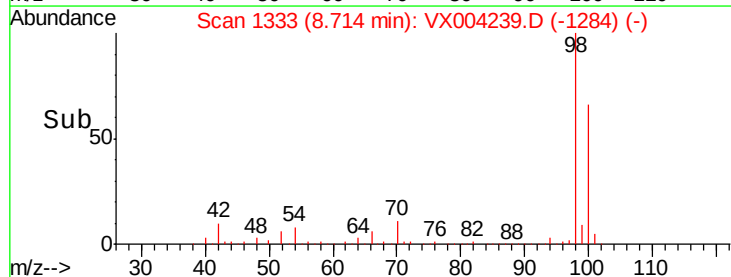
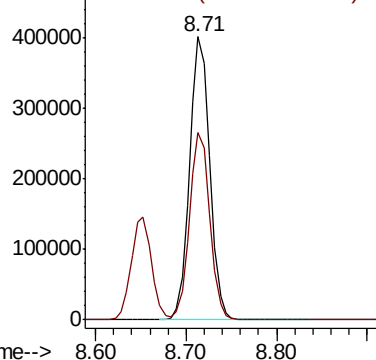


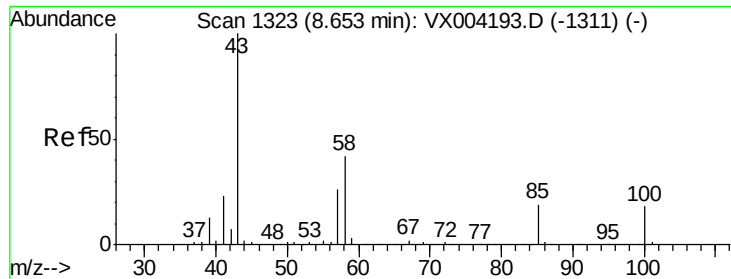
#50
Toluene-d8
Concen: 49.919 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 232.669 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1277116

Ion Ratio Lower Upper

43 100

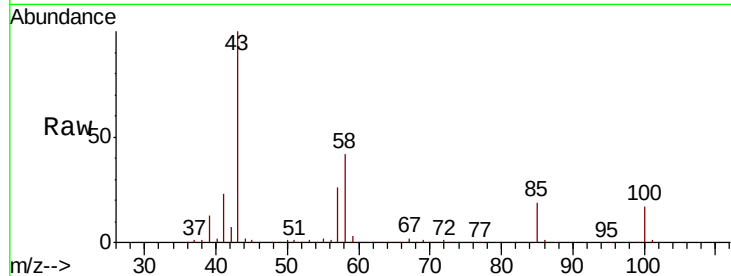
58 41.7 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

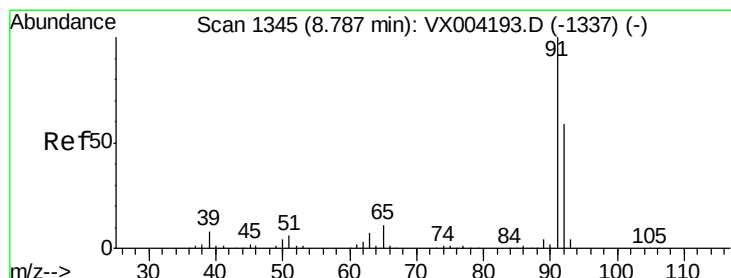
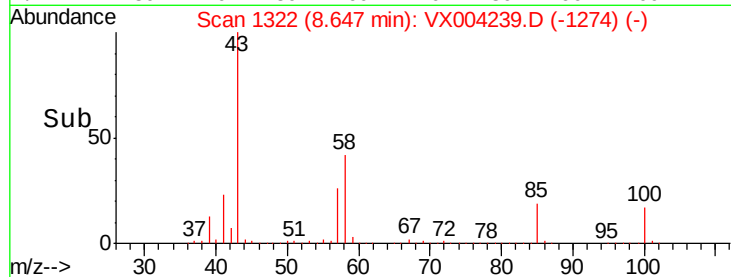
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.194 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004239.D

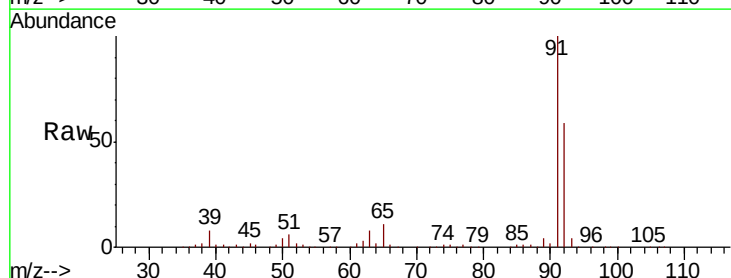
Acq: 24 Aug 2018 11:22

Tgt Ion: 92 Resp: 459979

Ion Ratio Lower Upper

92 100

91 170.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

600000

500000

400000

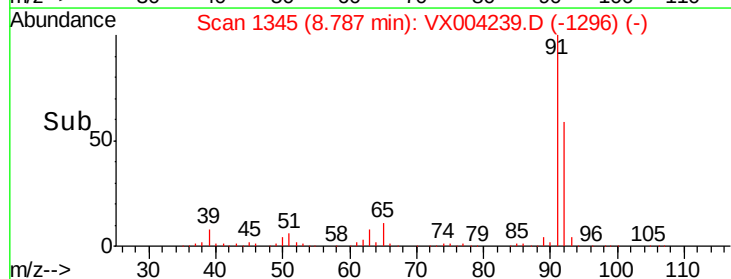
300000

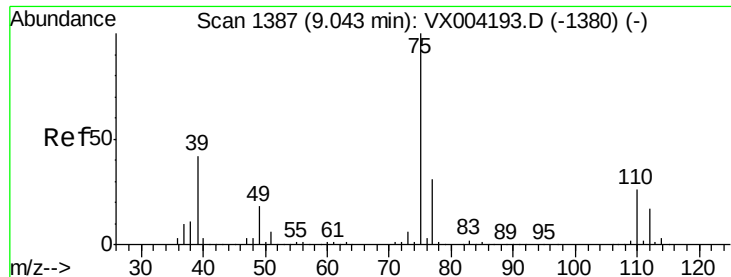
200000

100000

0

Time-->





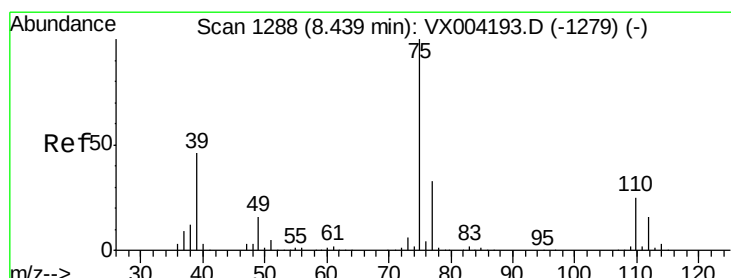
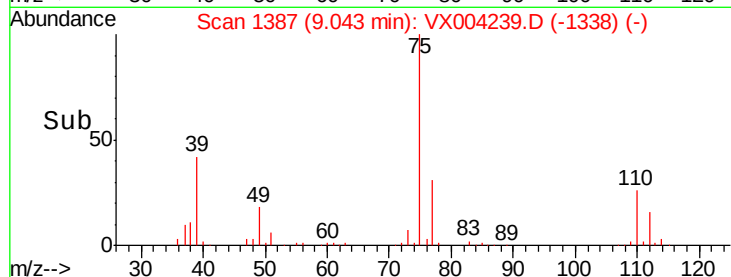
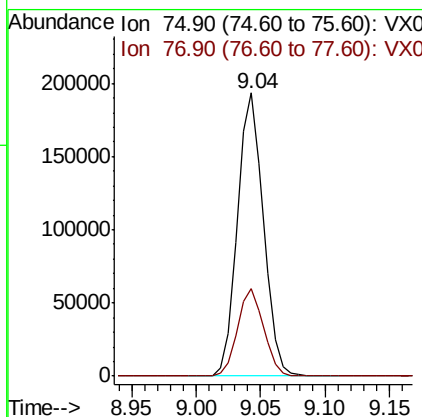
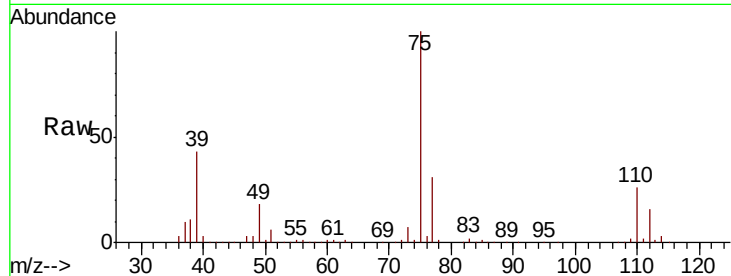
#53
t-1,3-Dichloropropene
Concen: 52.859 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 270419
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0

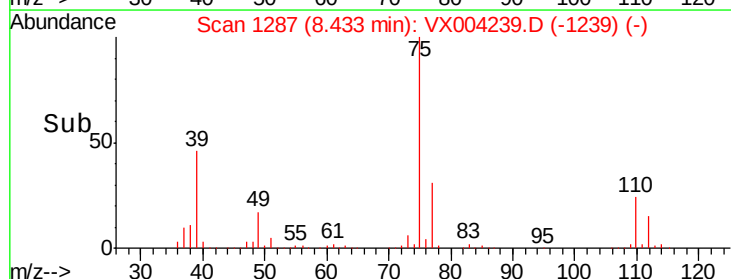
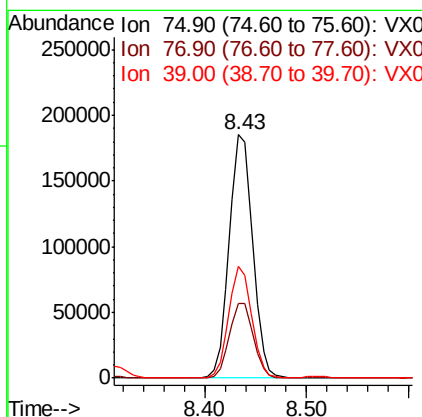
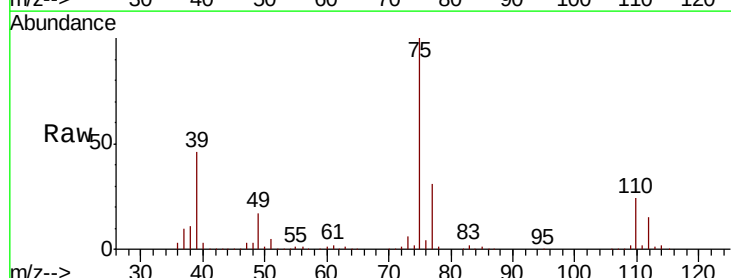
Manual Integrations
APPROVED

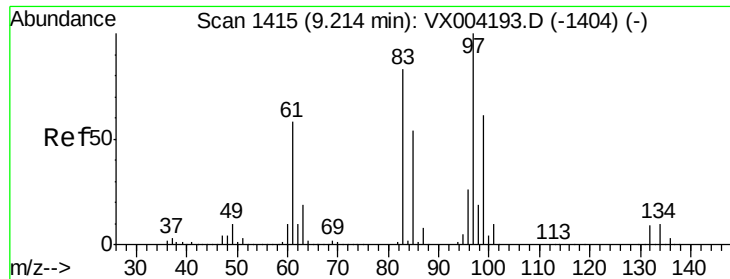
MMDadoda
8/25/2018 11:42:36 AM



#54
cis-1,3-Dichloropropene
Concen: 52.780 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion: 75 Resp: 294116
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 45.7 36.4 54.6





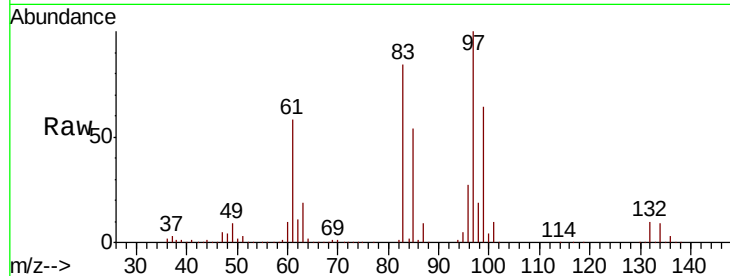
#55
 1,1,2-Trichloroethane
 Concen: 49.767 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

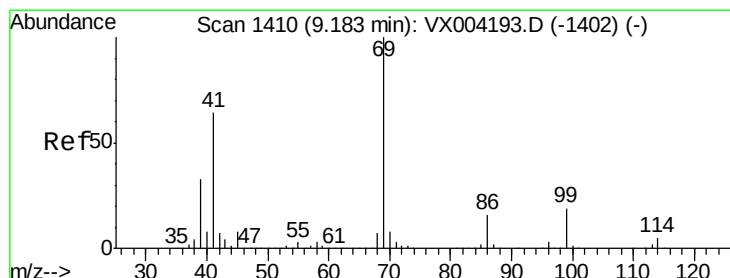
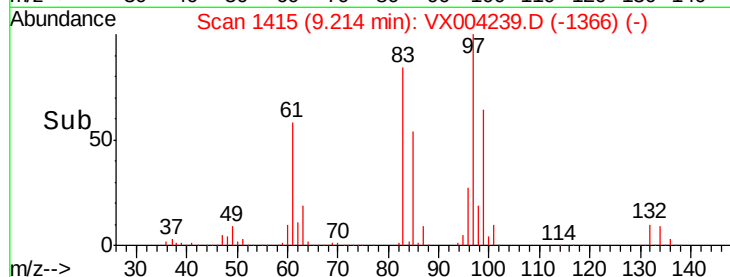
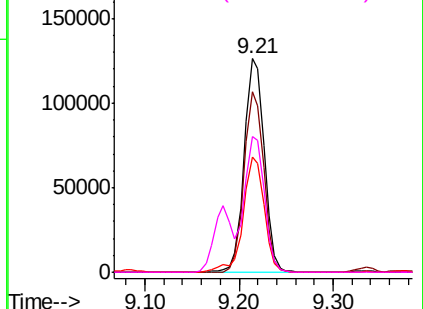
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	187848		
83	84.3	66.4	99.6	
85	54.1	43.3	64.9	
99	63.7	49.0	73.4	

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:36 AM

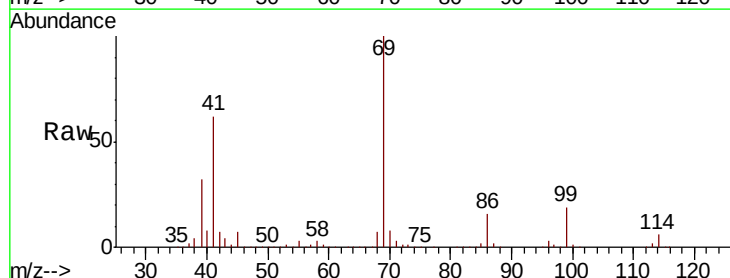


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

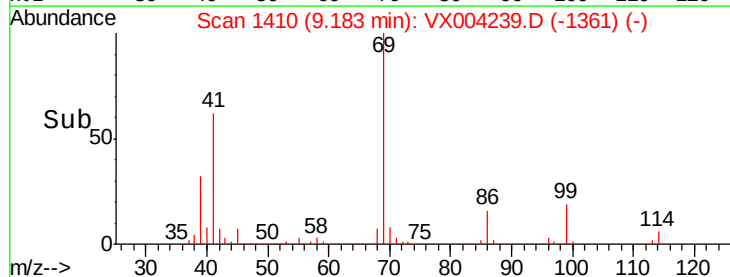
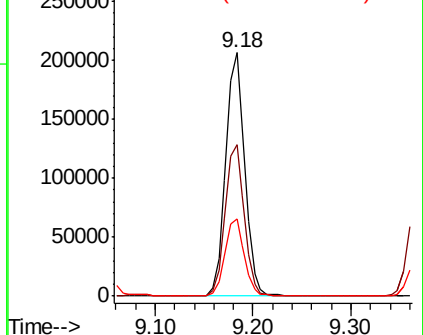


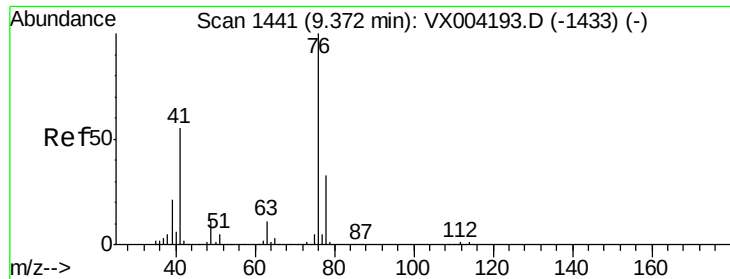
#56
 Ethyl methacrylate
 Concen: 54.447 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	279761		
41	62.3	51.0	76.4	
39	32.3	26.1	39.1	



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





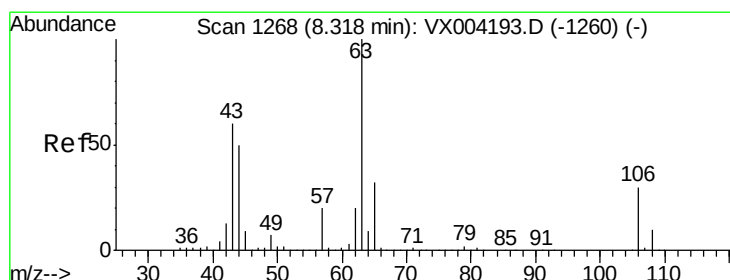
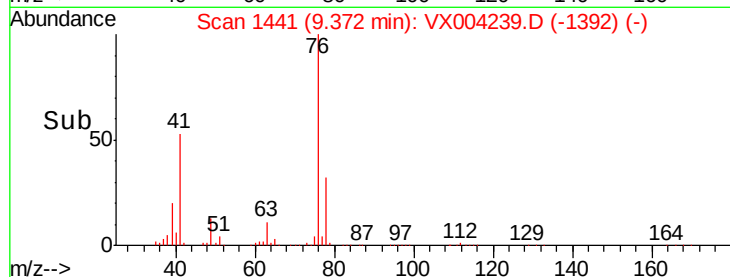
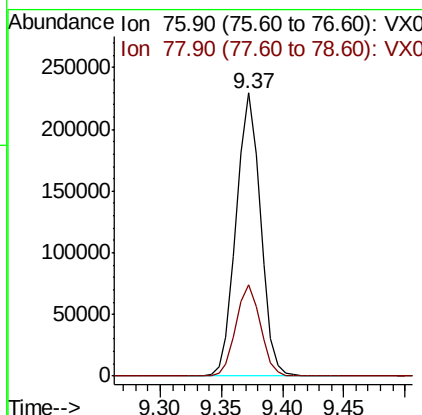
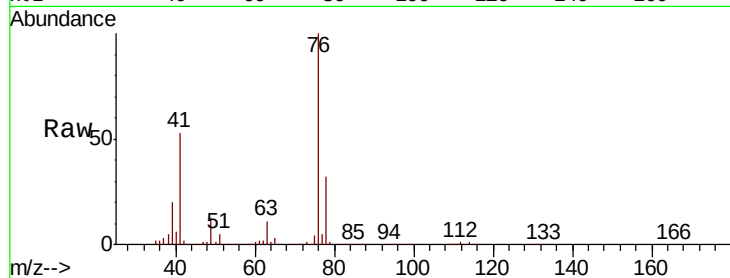
#57
 1,3-Dichloropropane
 Concen: 49.571 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 315381
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

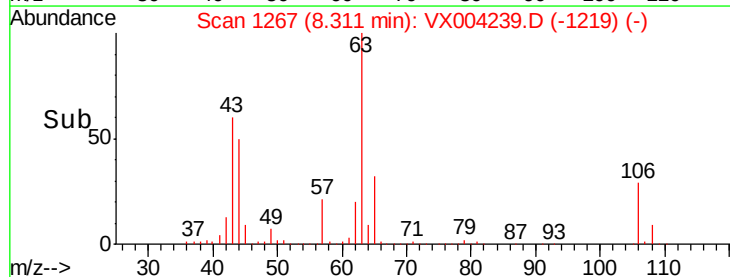
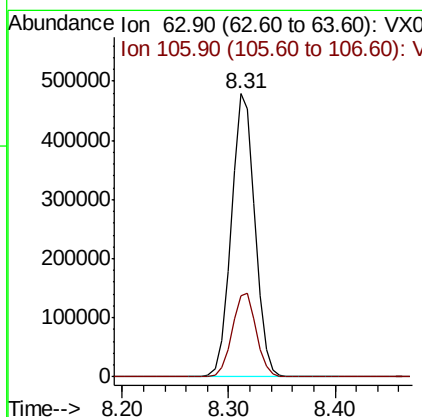
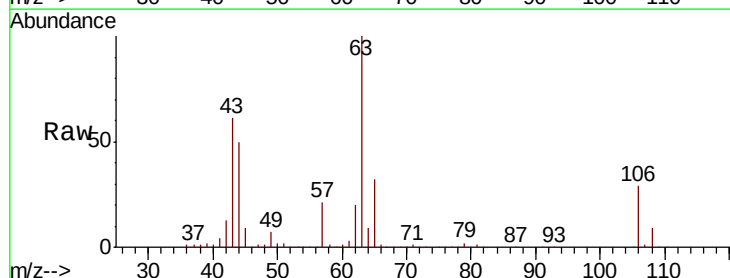
Manual Integrations
 APPROVED

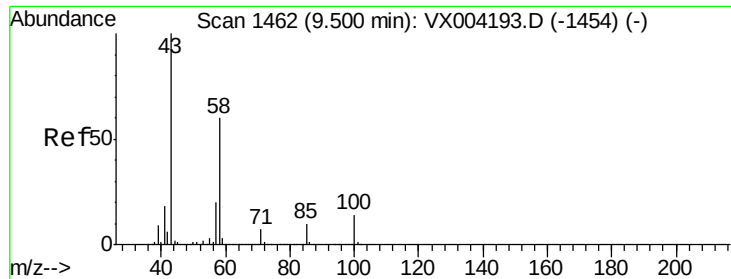
MMDadoda
 8/25/2018 11:42:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.384 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion: 63 Resp: 743452
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.9 35.9





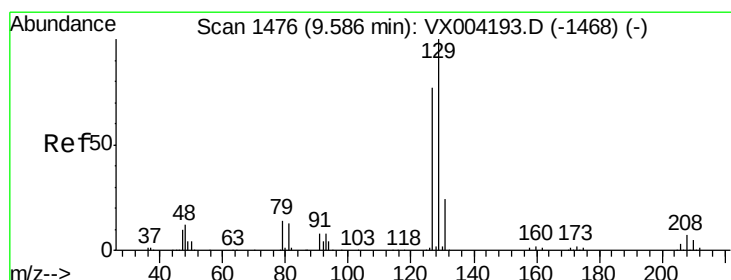
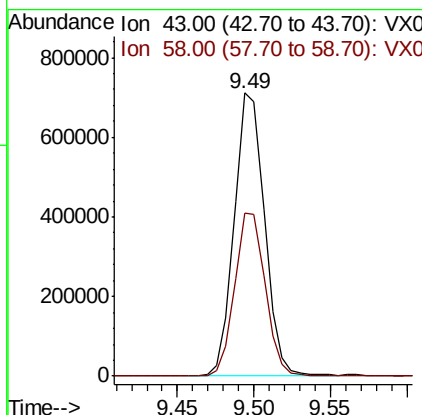
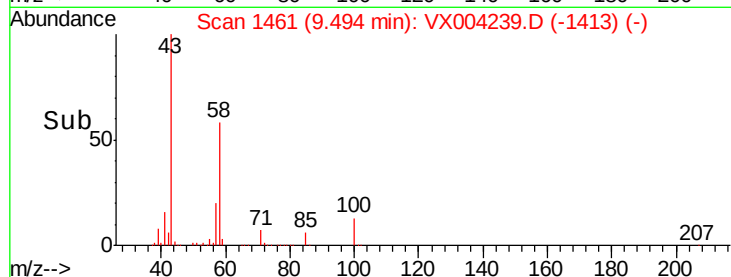
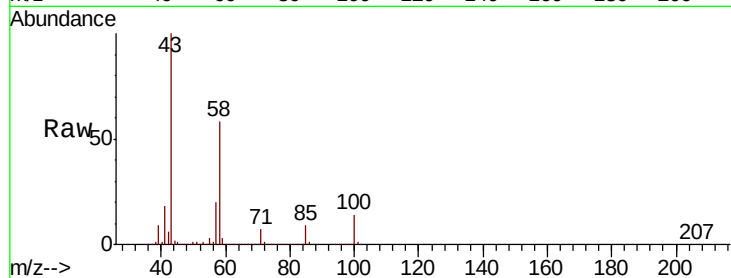
#59
2-Hexanone
Concen: 234.358 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 981392
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

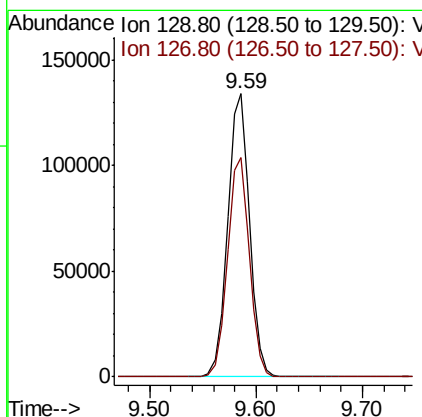
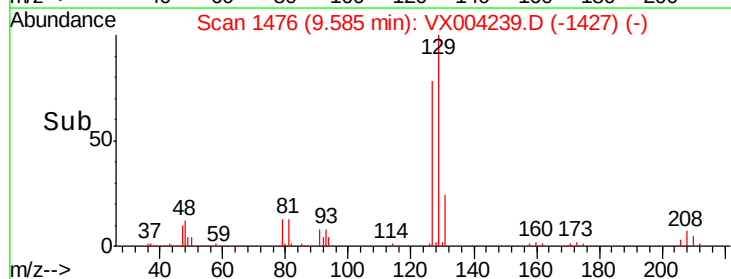
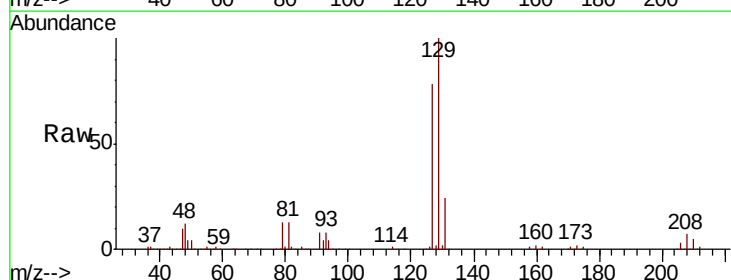
Manual Integrations
APPROVED

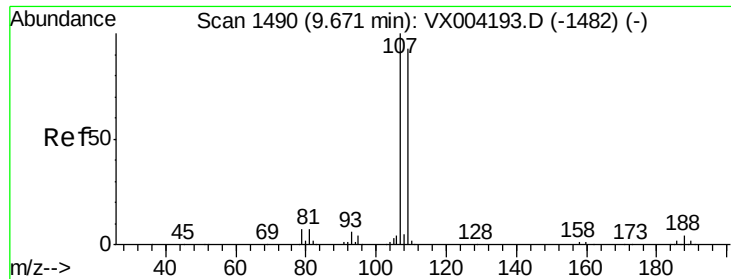
MMDadoda
8/25/2018 11:42:36 AM



#60
Dibromochloromethane
Concen: 52.219 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion: 129 Resp: 192034
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.456 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 197087

Ion Ratio Lower Upper

107 100

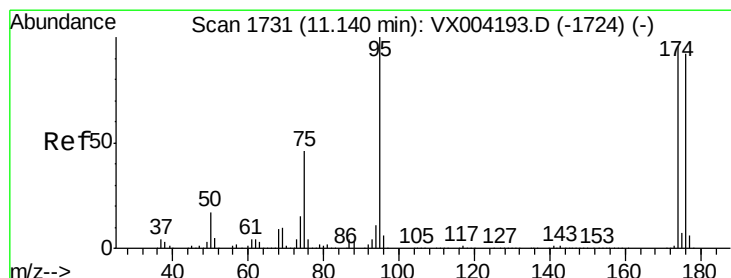
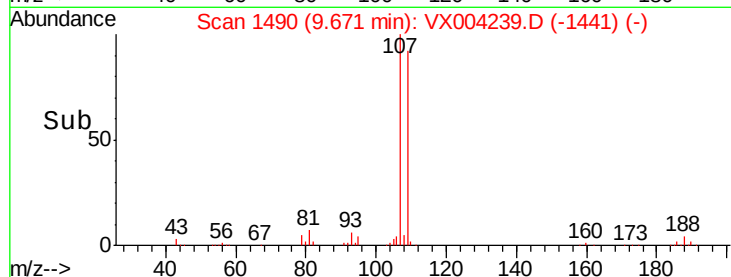
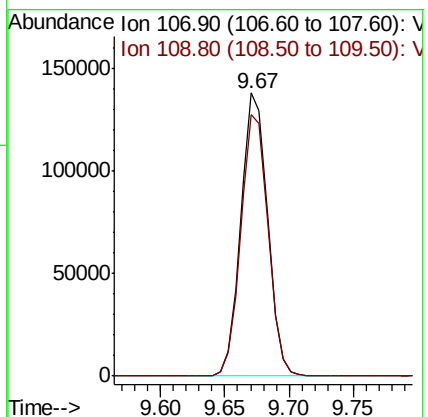
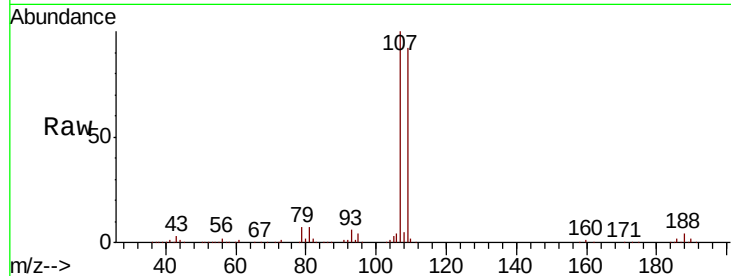
109 94.3 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



#62

4-Bromofluorobenzene

Concen: 50.136 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

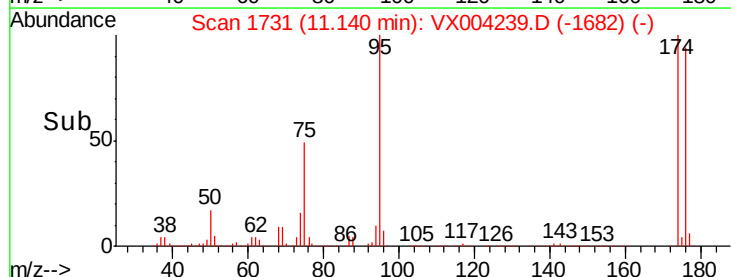
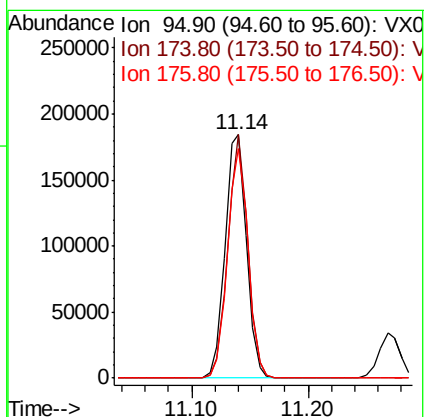
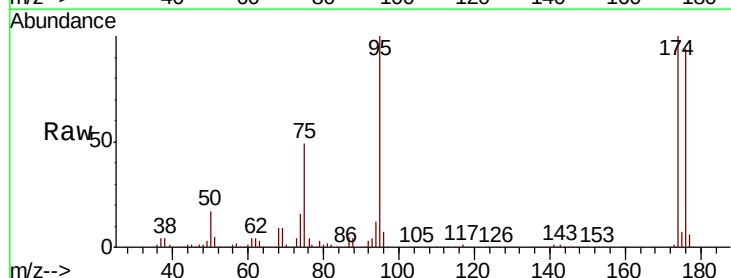
Tgt Ion: 95 Resp: 233582

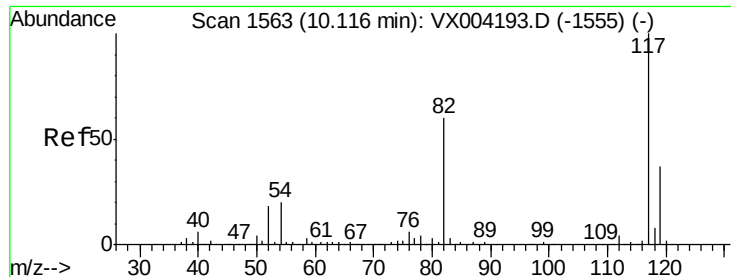
Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.2

176 91.2 0.0 178.6





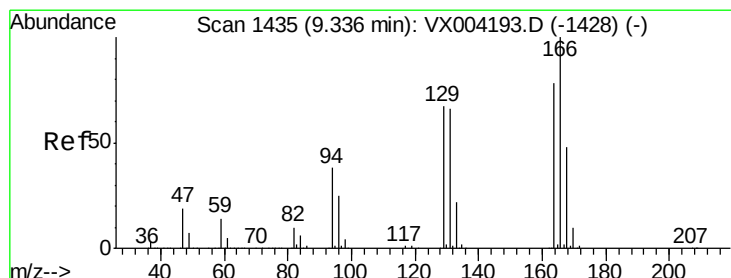
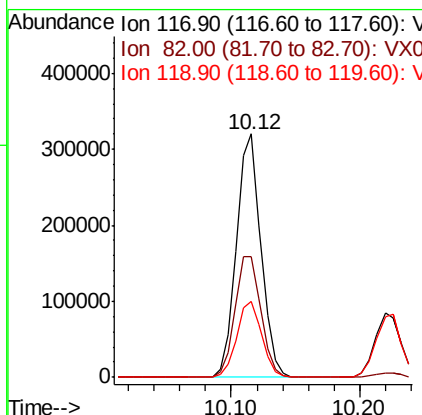
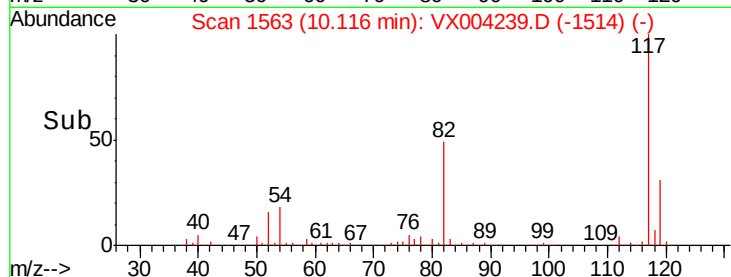
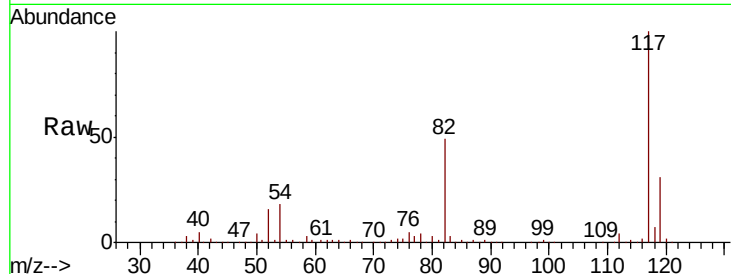
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	423664		
82	49.4	47.8	71.6	
119	31.2	29.3	43.9	

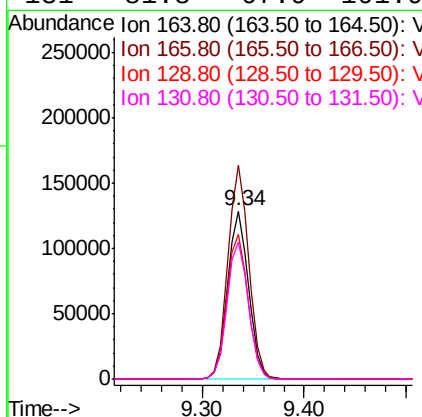
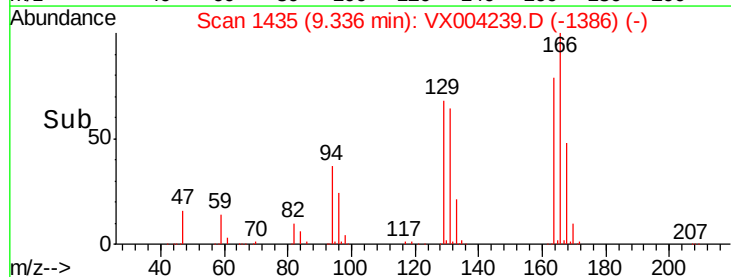
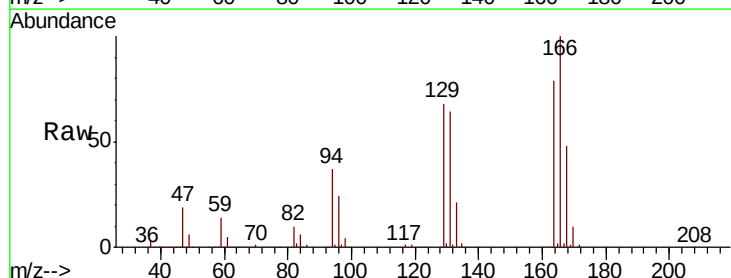
Manual Integrations
APPROVED

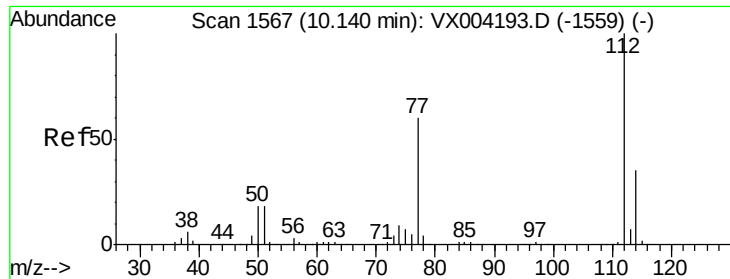
MMDadoda
8/25/2018 11:42:36 AM



#64
Tetrachloroethene
Concen: 43.210 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180843		
166	127.1	102.8	154.2	
129	86.2	69.4	104.0	
131	81.8	67.9	101.9	





#65

Chlorobenzene

Concen: 46.905 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 498734

Ion Ratio Lower Upper

112 100

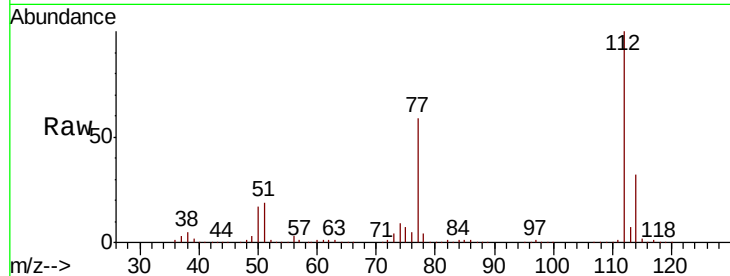
114 32.3 27.8 41.8

Manual Integrations

APPROVED

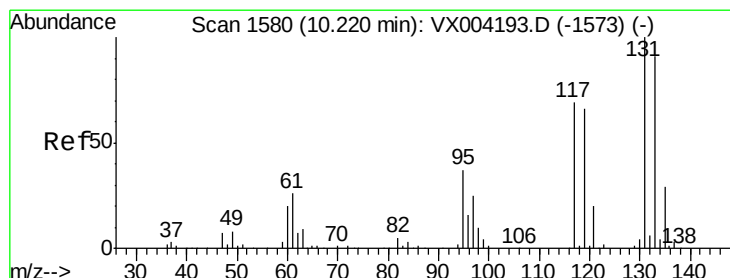
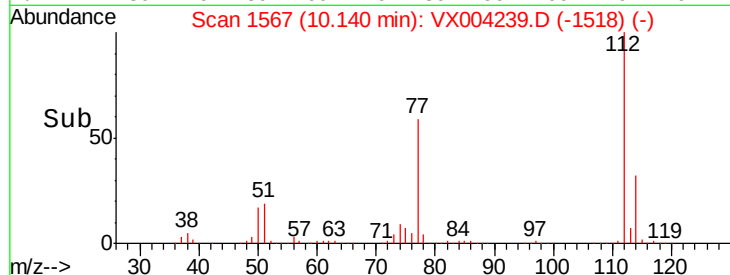
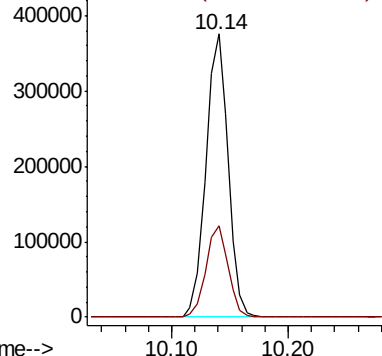
MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.721 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

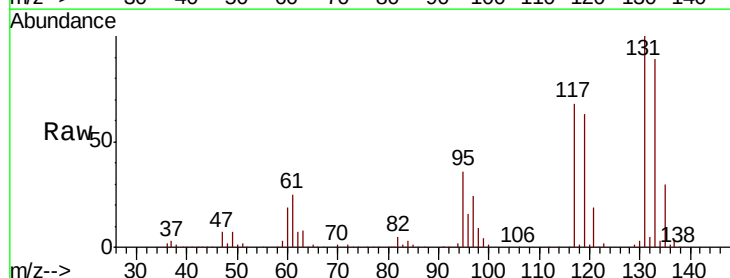
Tgt Ion:131 Resp: 175009

Ion Ratio Lower Upper

131 100

133 93.5 48.1 144.4

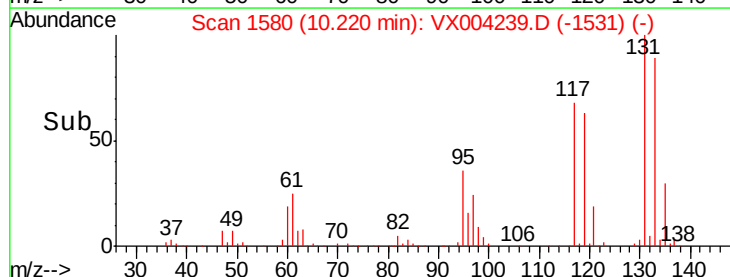
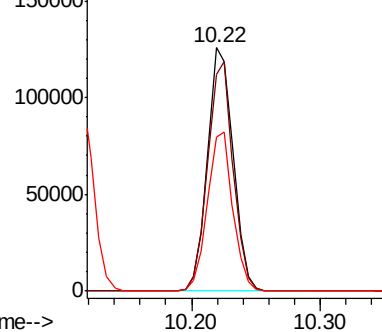
119 64.7 32.9 98.6

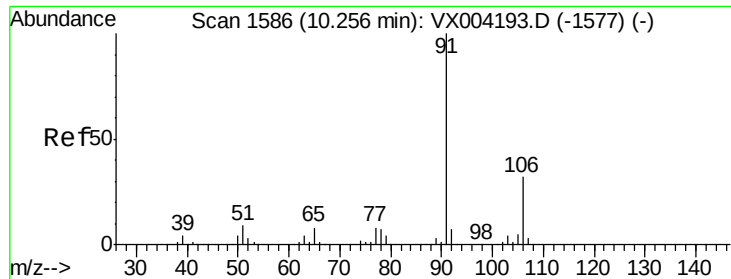


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.821 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 825782

Ion Ratio Lower Upper

91 100

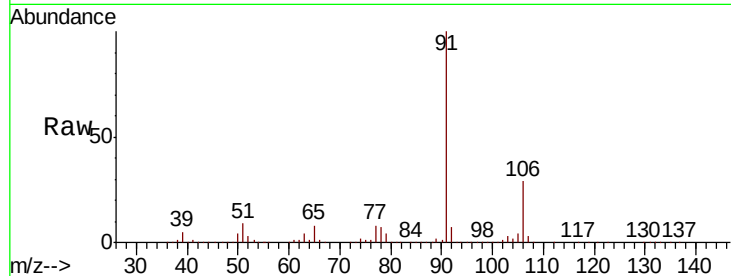
106 28.6 25.9 38.9

Manual Integrations

APPROVED

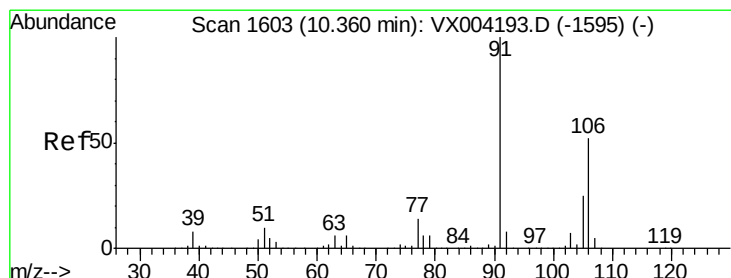
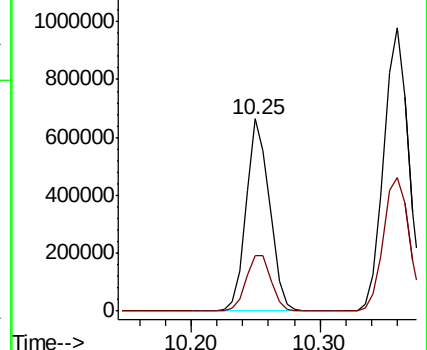
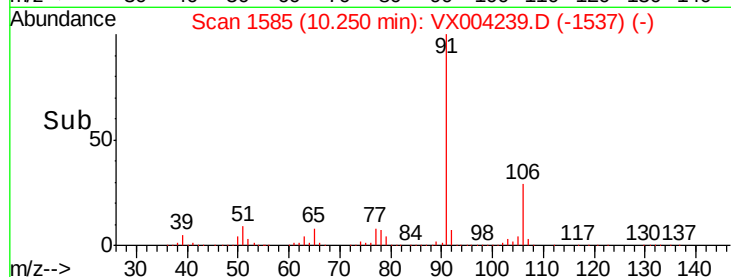
MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX004193.D (-1577) (-)



#68

m/p-Xylenes

Concen: 94.558 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004239.D

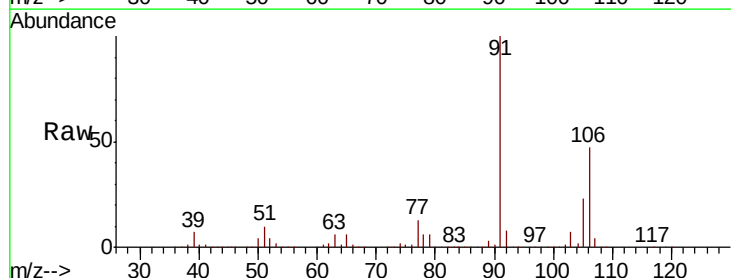
Acq: 24 Aug 2018 11:22

Tgt Ion: 106 Resp: 638469

Ion Ratio Lower Upper

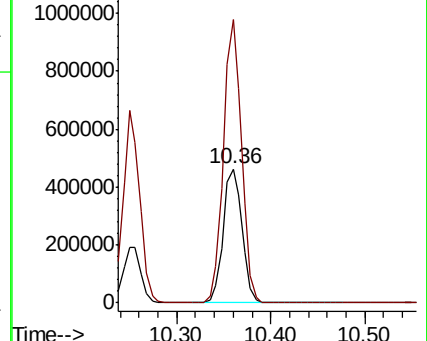
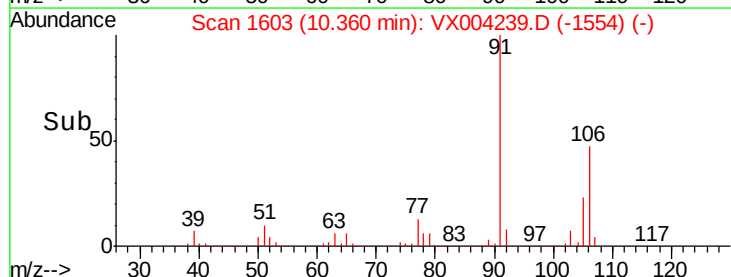
106 100

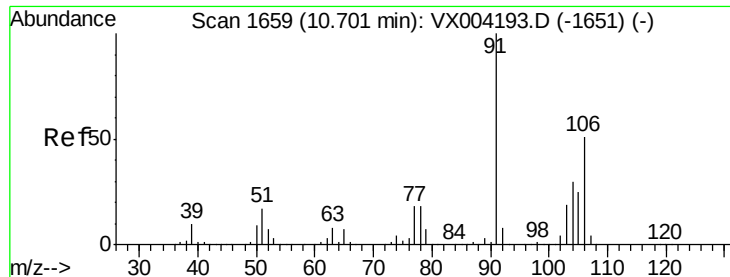
91 203.4 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004193.D (-1595) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1595) (-)





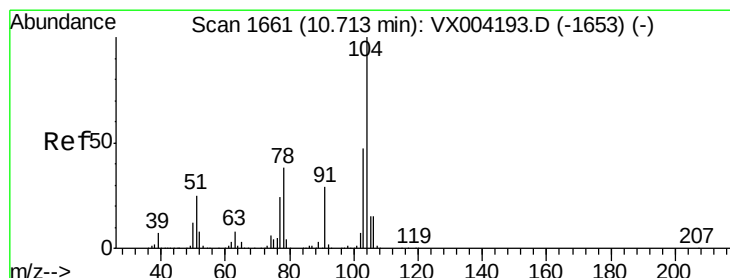
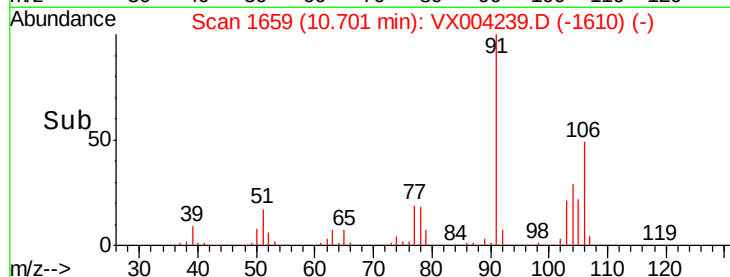
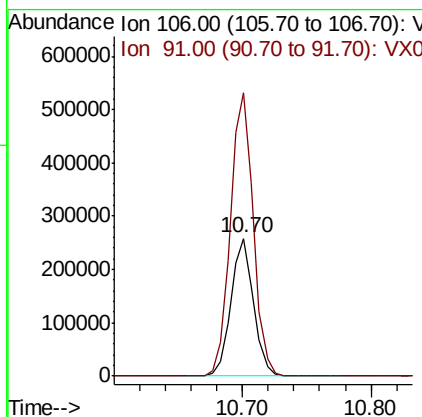
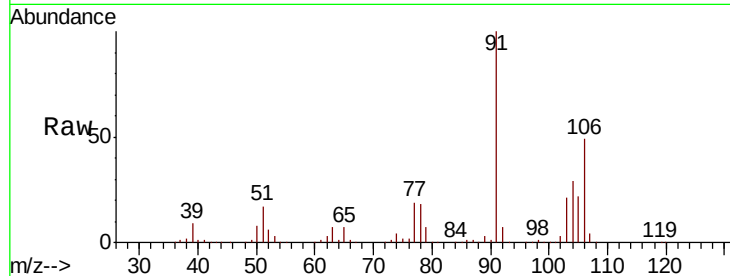
#69
o-Xylene
Concen: 49.419 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.4	105.1	315.1

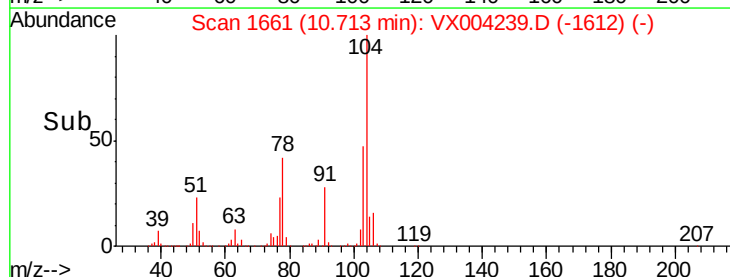
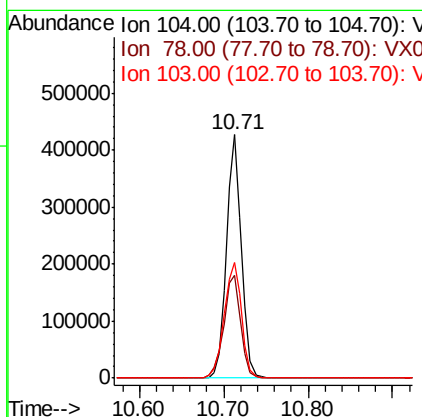
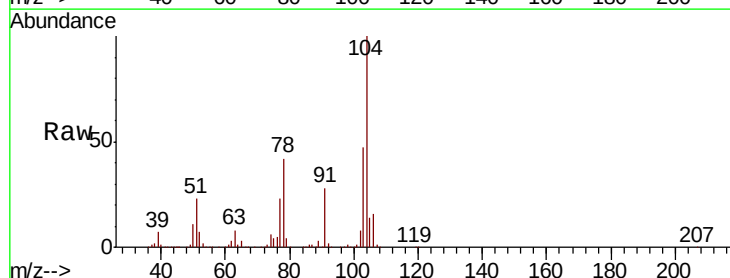
Manual Integrations
APPROVED

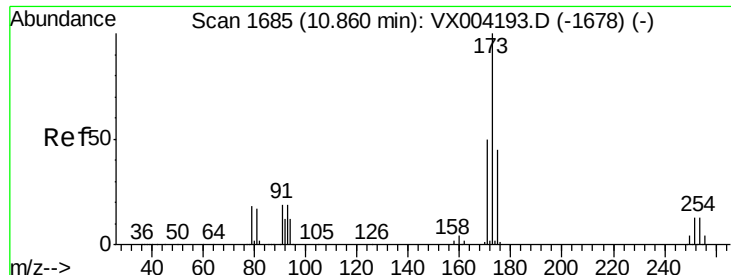
MMDadoda
8/25/2018 11:42:36 AM



#70
Styrene
Concen: 50.256 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	37.4	56.0
103	55.2	43.8	65.6





#71

Bromoform

Concen: 47.220 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

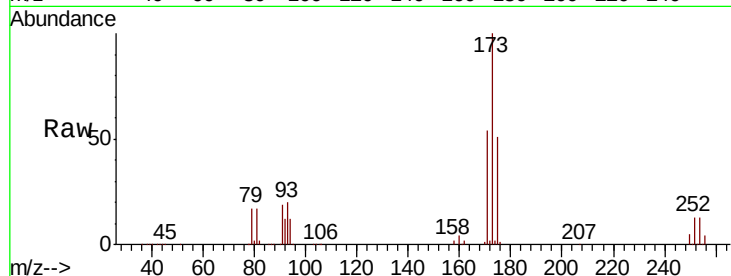
ClientSampleId :

VSTDCCC050

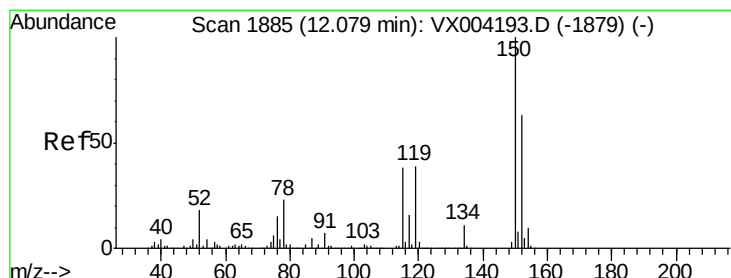
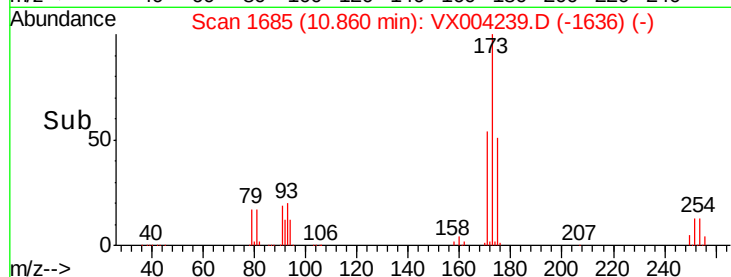
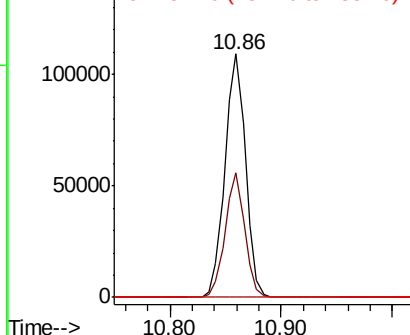
Tgt Ion:	173	Resp:	139594
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

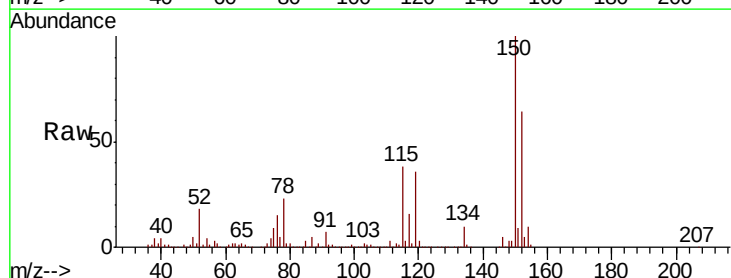
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

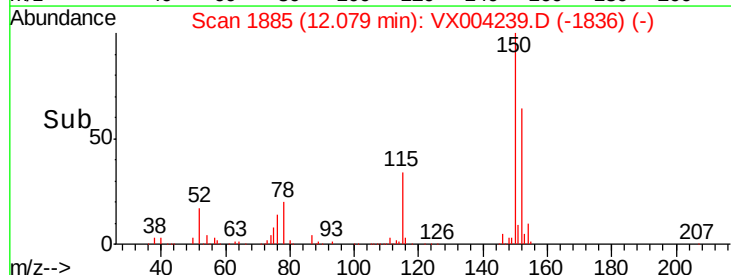
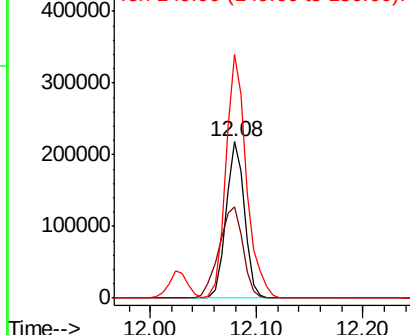
Lab File: VX004239.D

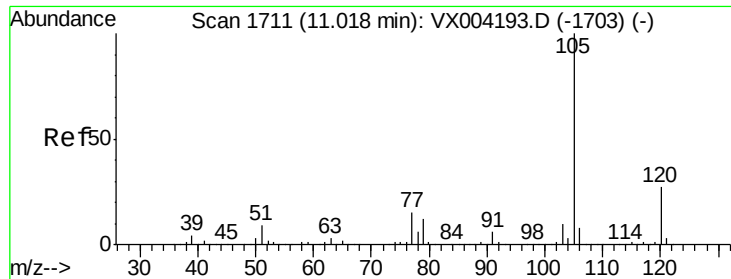
Acq: 24 Aug 2018 11:22

Tgt Ion:	152	Resp:	264536
Ion Ratio	Lower	Upper	
152	100		
115	75.1	39.0	117.0
150	173.2	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.933 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 832802

Ion Ratio Lower Upper

105 100

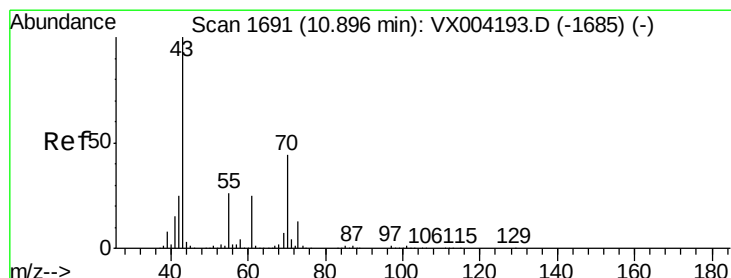
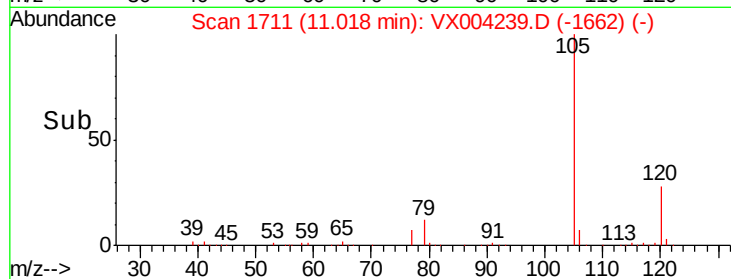
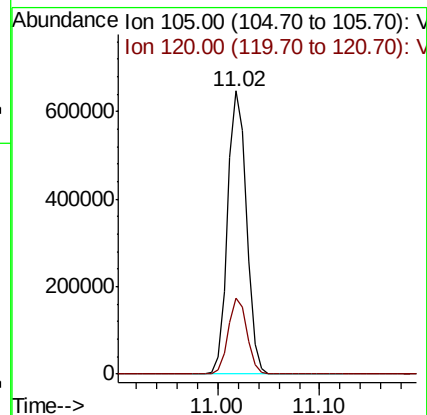
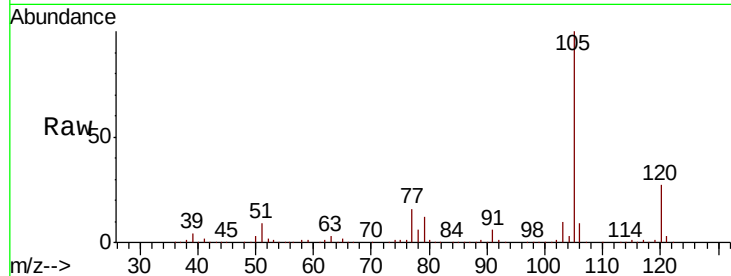
120 26.7 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



#74

N-ethyl acetate

Concen: 49.172 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion: 43 Resp: 328942

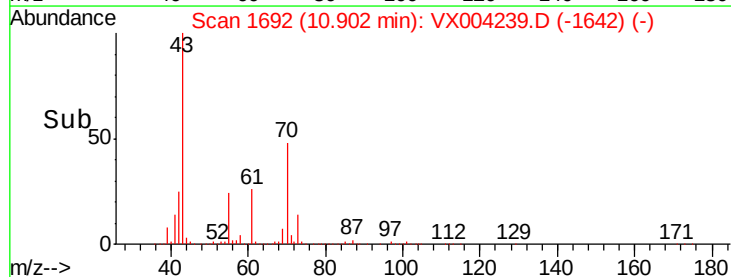
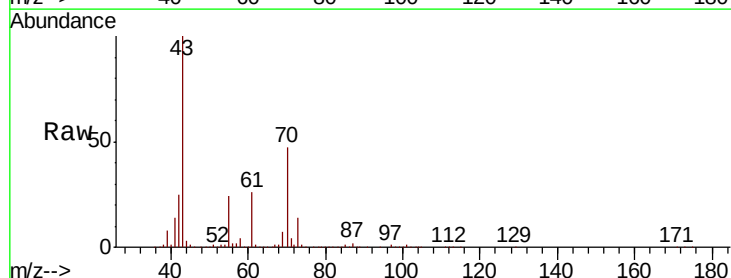
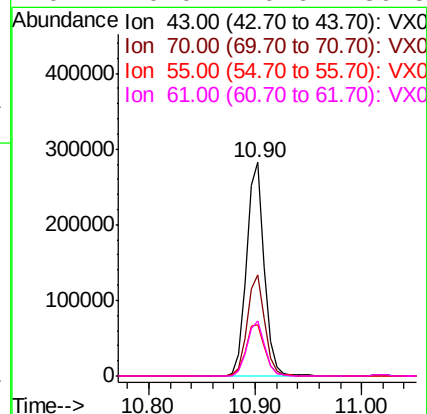
Ion Ratio Lower Upper

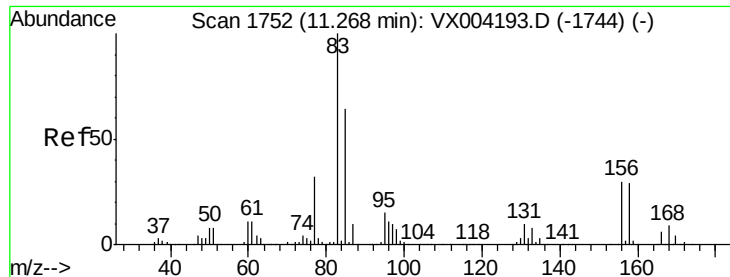
43 100

70 47.2 37.4 56.0

55 26.2 21.8 32.8

61 26.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.407 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

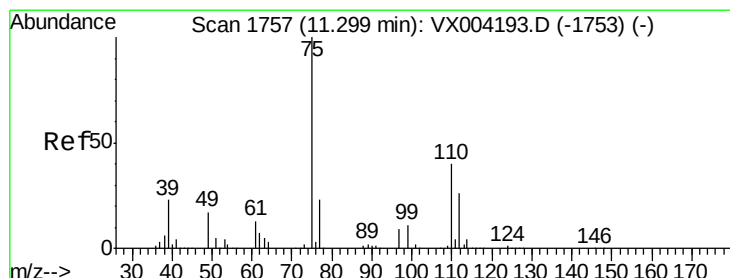
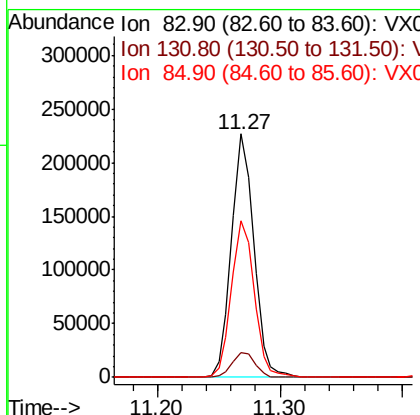
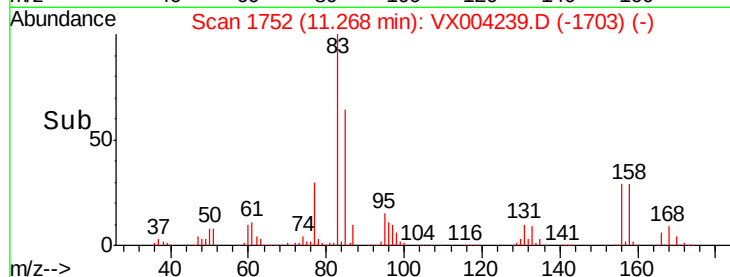
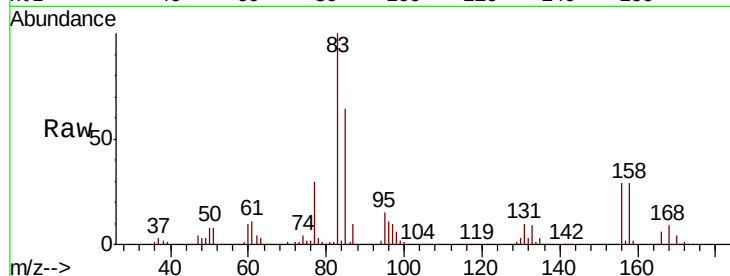
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	288242
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	65.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#76

1,2,3-Trichloropropane

Concen: 48.639 ug/l m

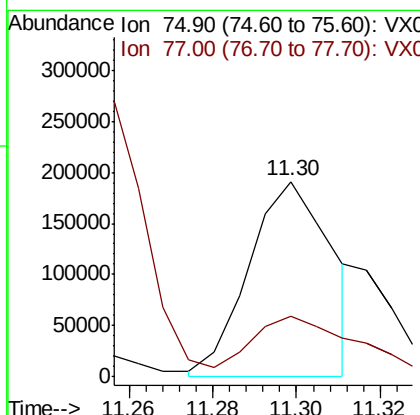
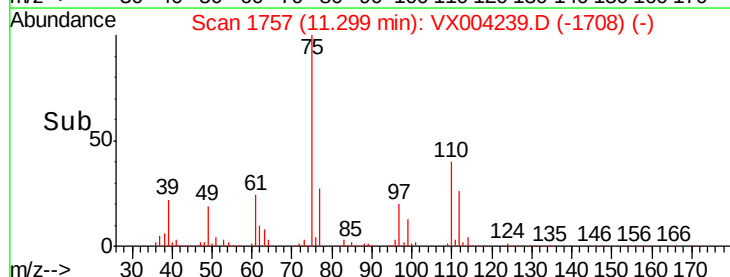
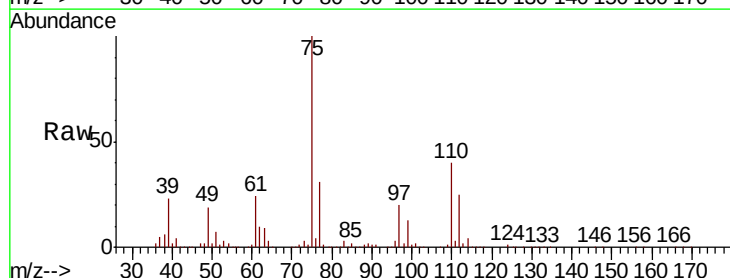
RT: 11.30 min Scan# 1757

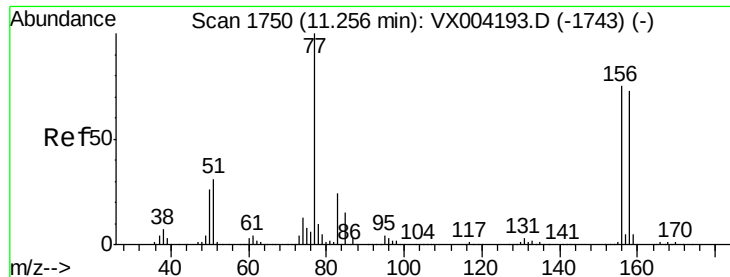
Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion:	75	Resp:	261685
Ion	Ratio	Lower	Upper
75	100		
77	39.5	20.2	60.6





#77

Bromobenzene

Concen: 48.987 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

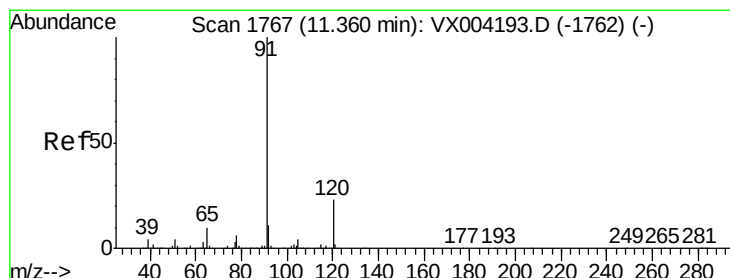
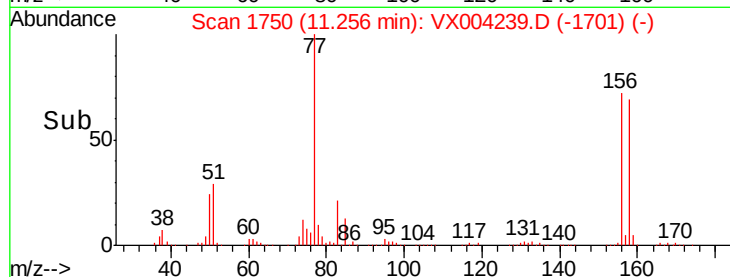
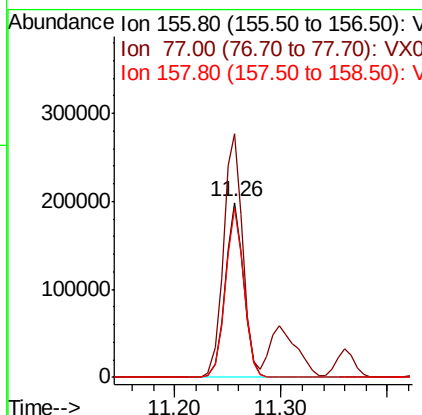
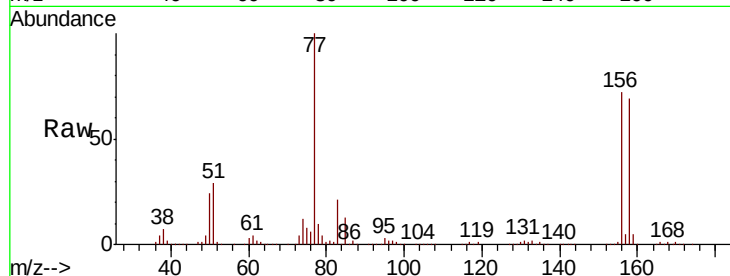
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	238749		
77	145.4	71.5	214.3	
158	97.5	48.9	146.8	

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#78

n-propylbenzene

Concen: 49.550 ug/l

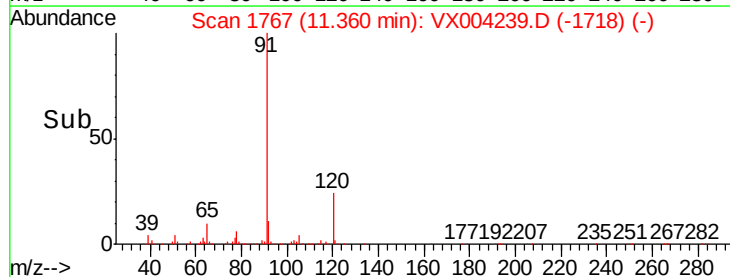
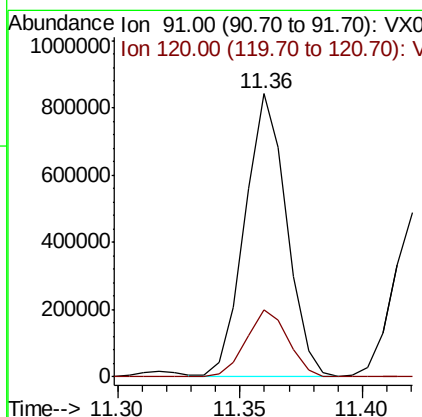
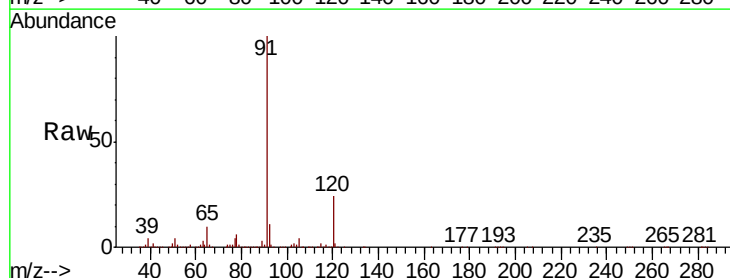
RT: 11.36 min Scan# 1767

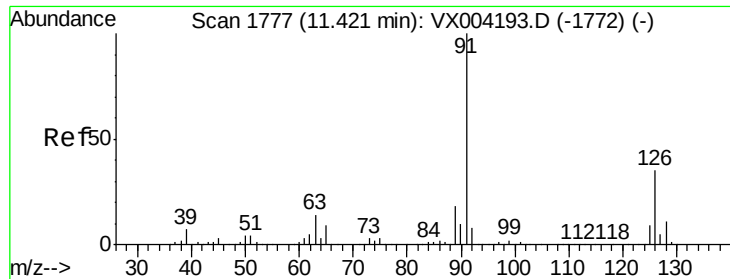
Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	990147		
120	24.0	11.9	35.9	





#79

2-Chlorotoluene

Concen: 49.422 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 607875

Ion Ratio Lower Upper

91 100

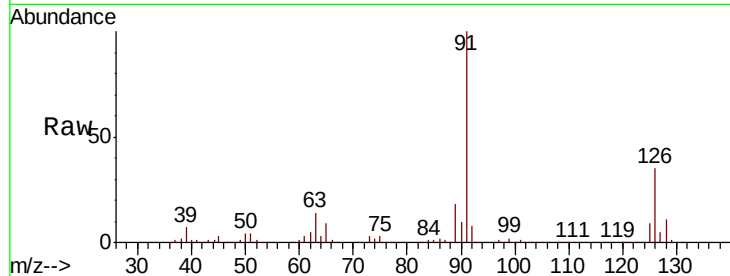
126 35.4 17.9 53.7

Manual Integrations

APPROVED

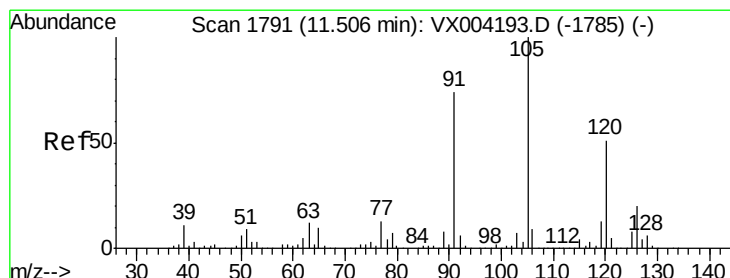
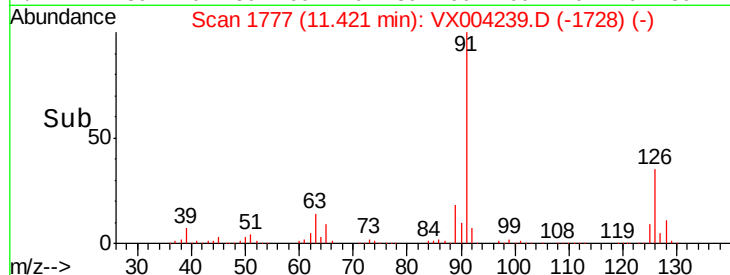
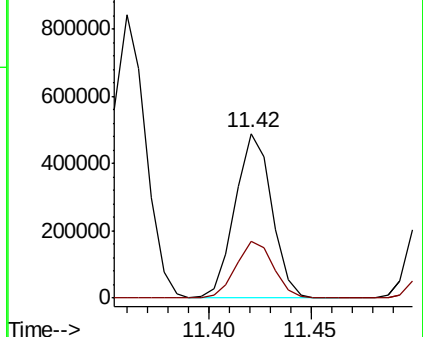
MMDadoda

8/25/2018 11:42:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.006 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004239.D

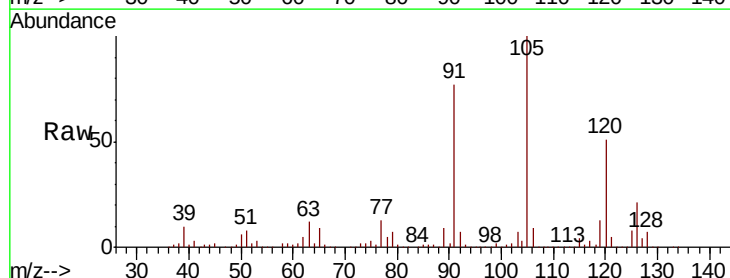
Acq: 24 Aug 2018 11:22

Tgt Ion: 105 Resp: 719504

Ion Ratio Lower Upper

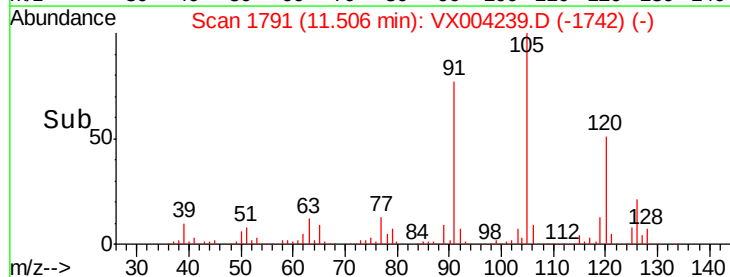
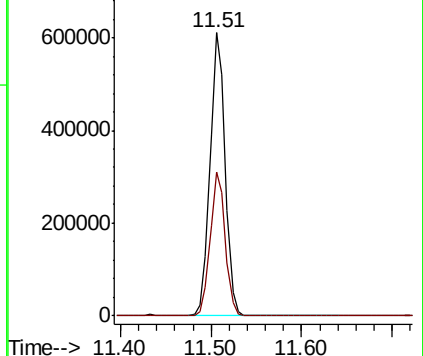
105 100

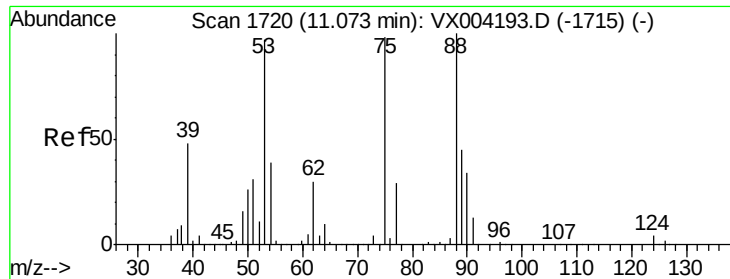
120 50.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.880 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 86027
Ion Ratio Lower Upper

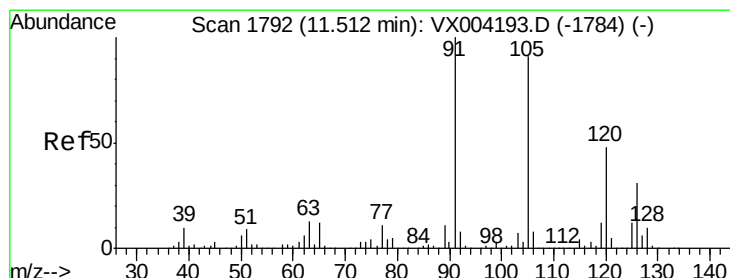
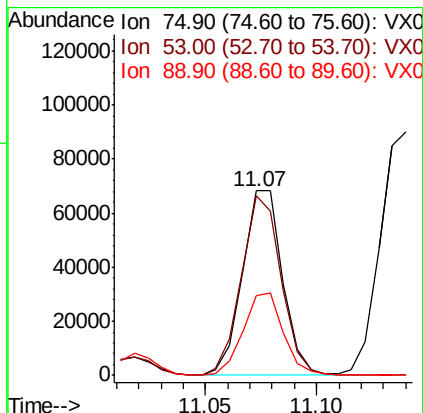
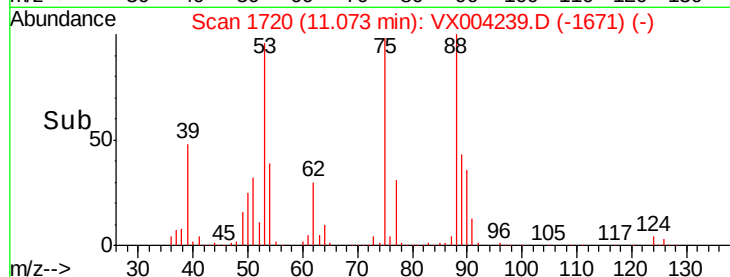
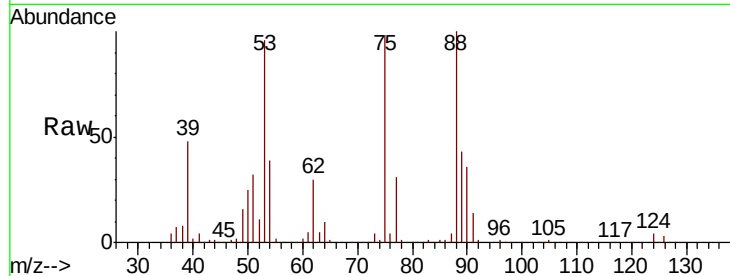
75 100

53 96.2 80.1 120.1

89 45.3 37.2 55.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#82

4-Chlorotoluene

Concen: 48.261 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

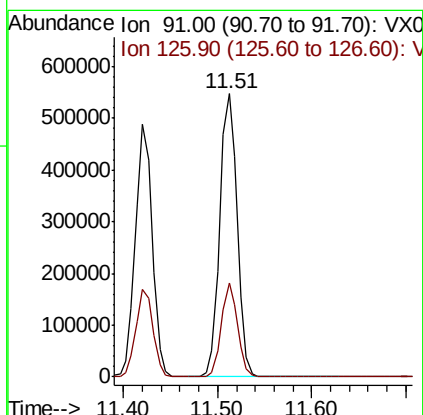
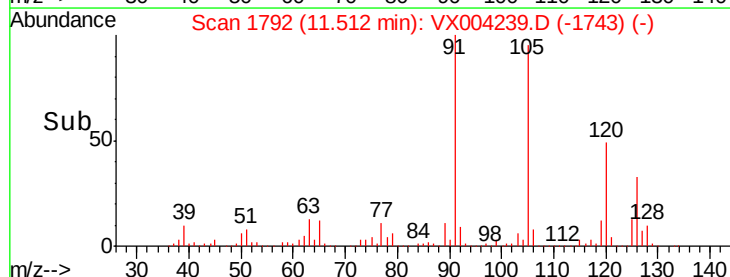
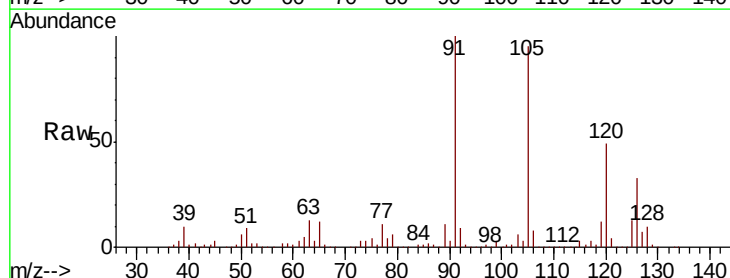
Lab File: VX004239.D

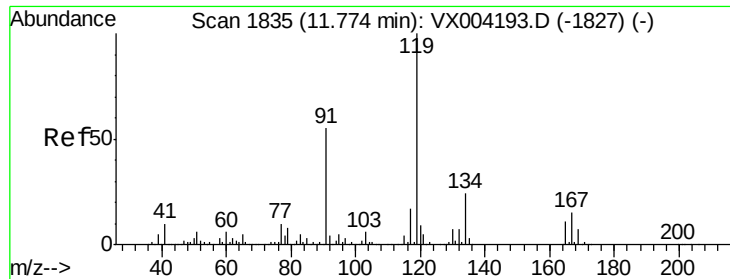
Acq: 24 Aug 2018 11:22

Tgt Ion: 91 Resp: 698493
Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





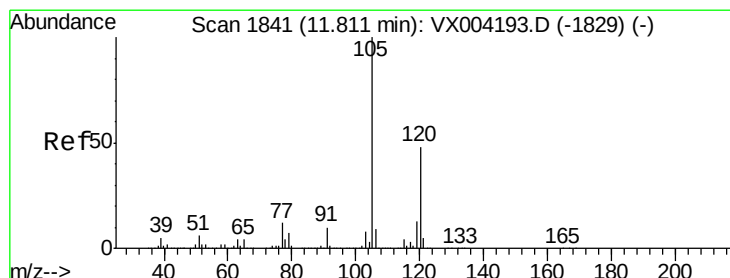
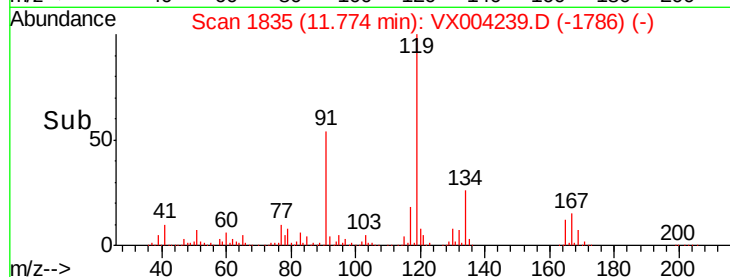
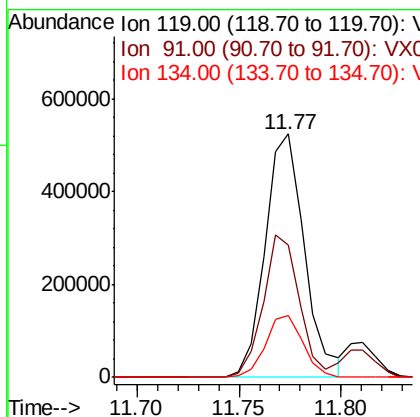
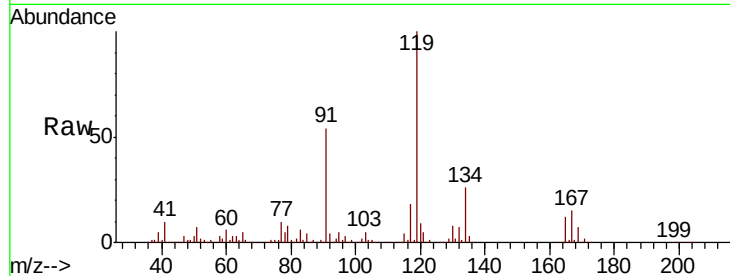
#83
 tert-Butylbenzene
 Concen: 48.697 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	704958		
91	53.6	27.0	81.0	
134	24.2	11.7	35.1	

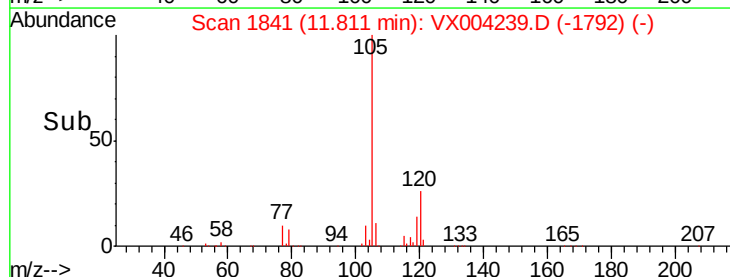
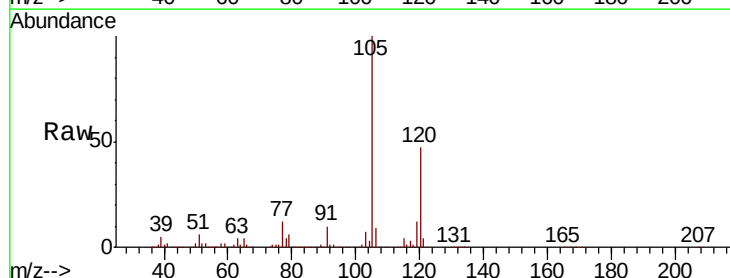
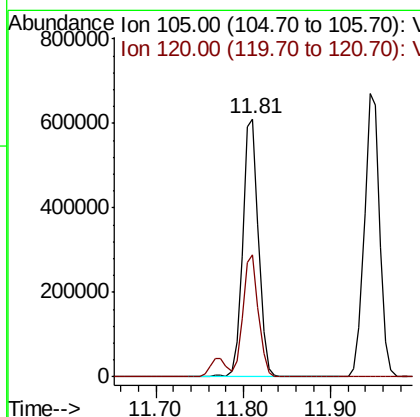
Manual Integrations
 APPROVED

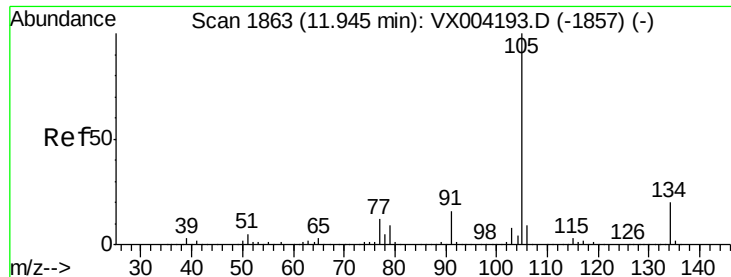
MMDadoda
 8/25/2018 11:42:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.771 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	764632		
120	46.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 47.816 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 821818

Ion Ratio Lower Upper

105 100

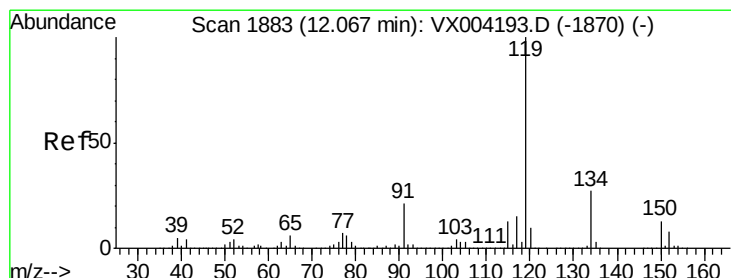
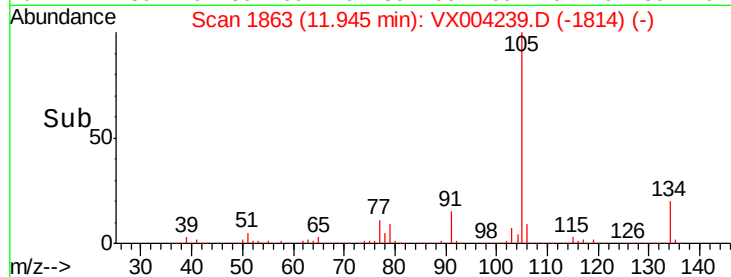
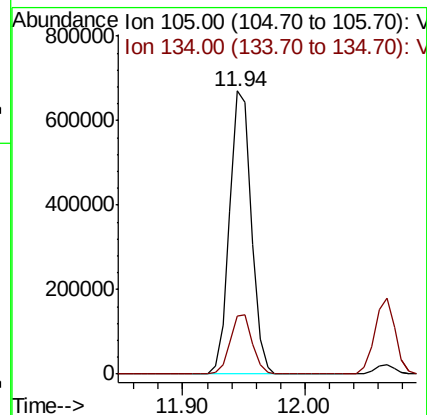
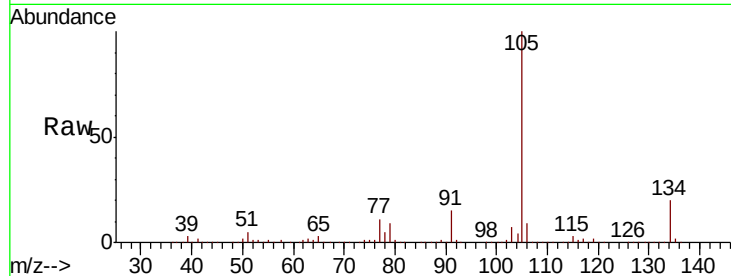
134 21.1 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:36 AM



#86

p-Isopropyltoluene

Concen: 49.742 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004239.D

Acq: 24 Aug 2018 11:22

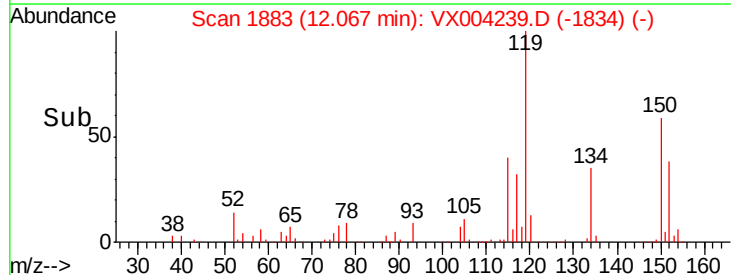
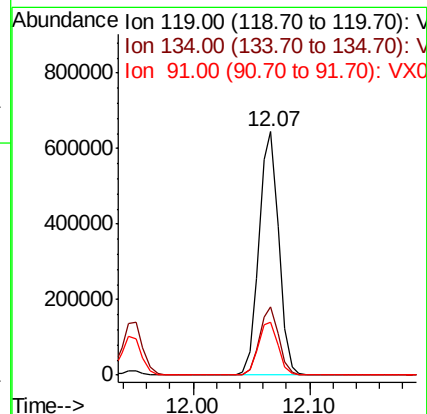
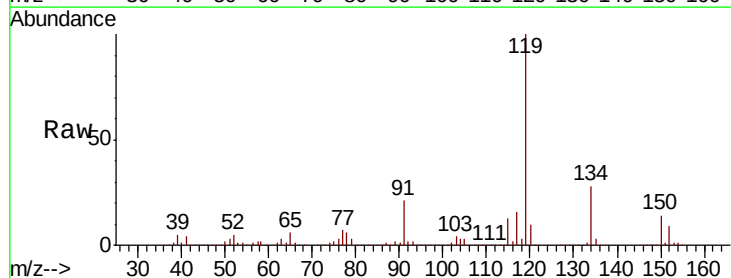
Tgt Ion:119 Resp: 766168

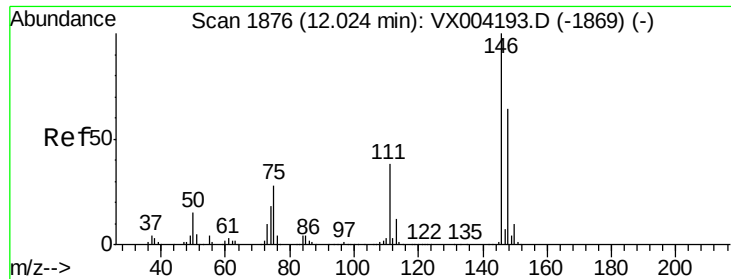
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 21.9 10.9 32.7





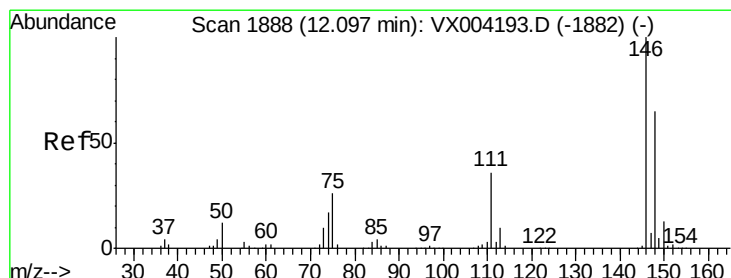
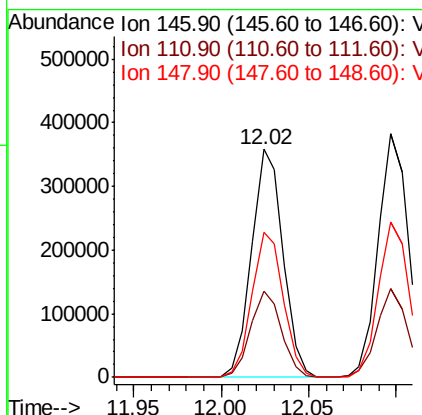
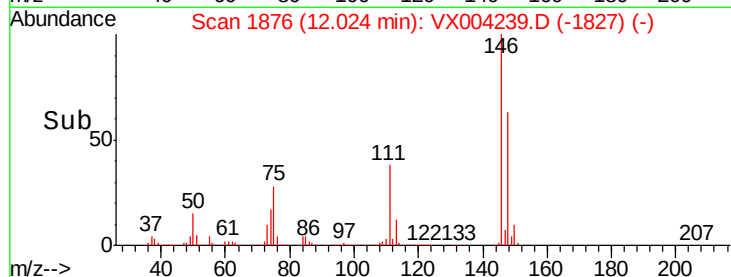
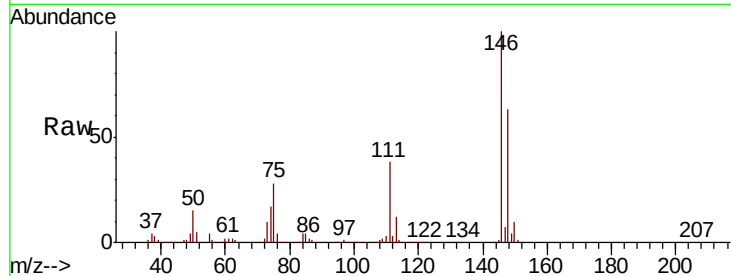
#87
 1,3-Dichlorobenzene
 Concen: 48.751 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.7	32.1	96.5

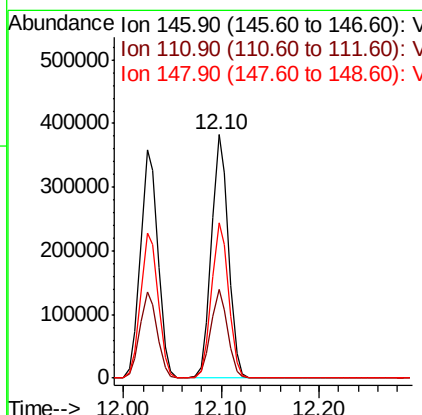
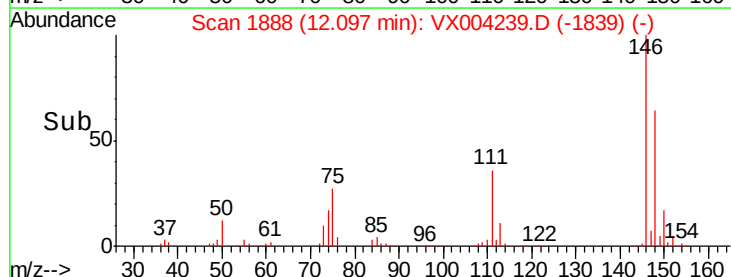
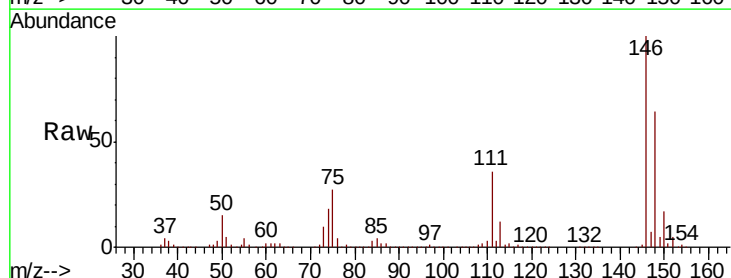
Manual Integrations
 APPROVED

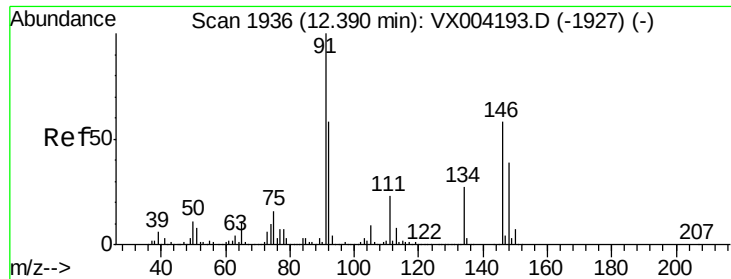
MMDadoda
 8/25/2018 11:42:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.534 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.4	32.0	96.0





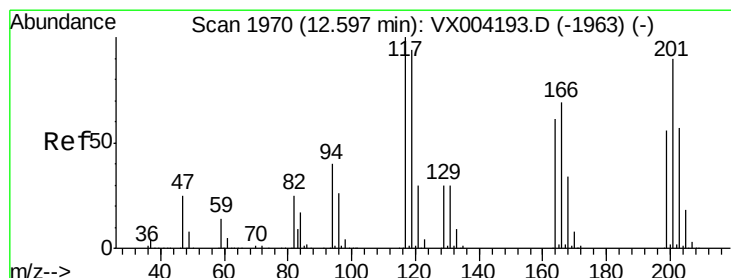
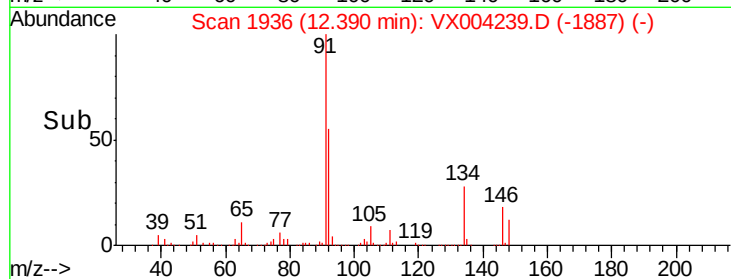
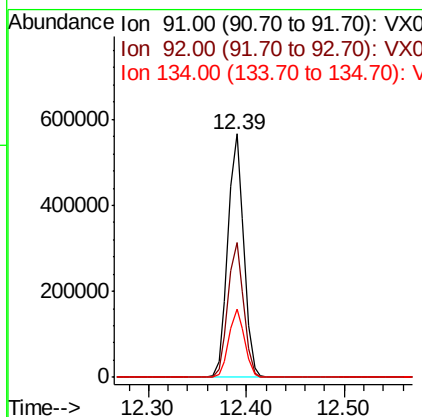
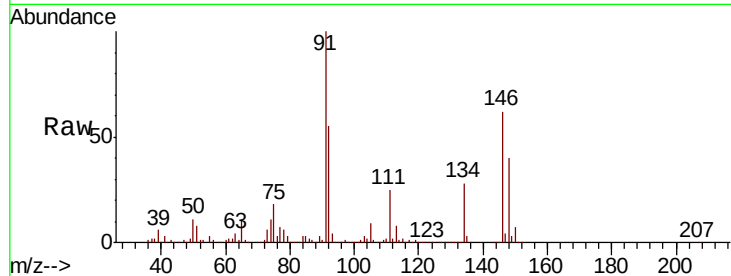
#89
n-Butylbenzene
Concen: 51.090 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	639892		
92	55.0	27.3	81.9	
134	27.5	13.6	40.7	

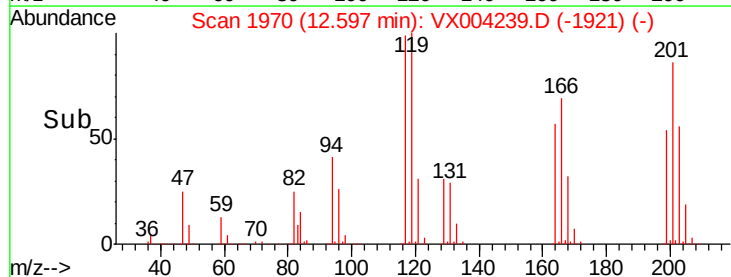
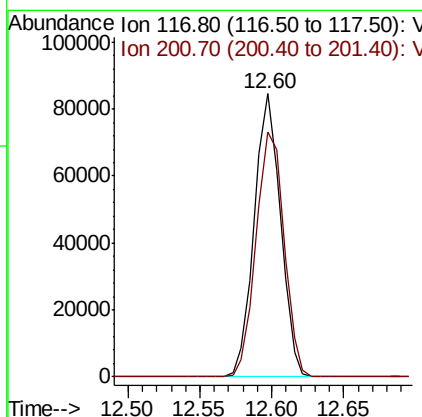
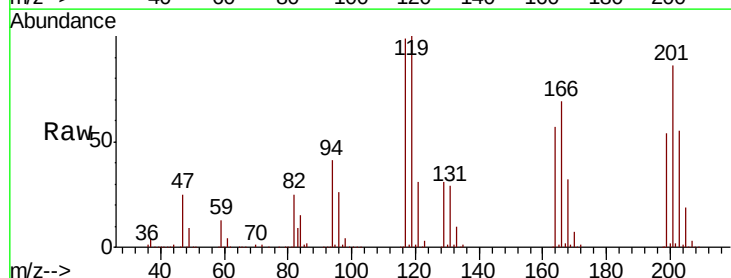
Manual Integrations
APPROVED

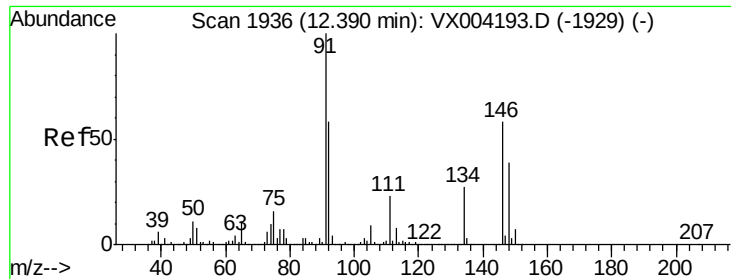
MMDadoda
8/25/2018 11:42:36 AM



#90
Hexachloroethane
Concen: 49.457 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	106473		
201	92.0	46.9	140.6	





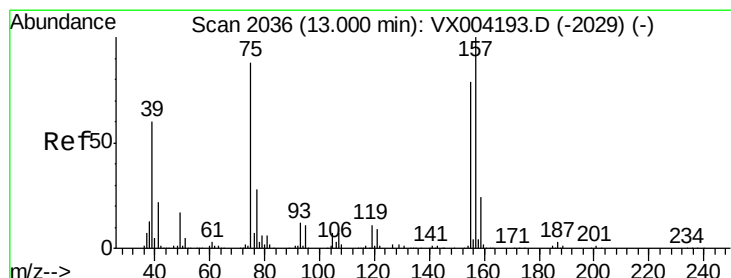
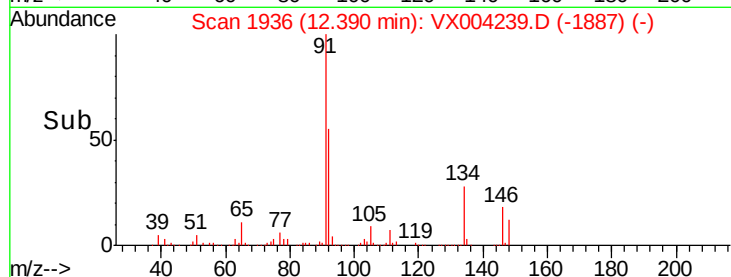
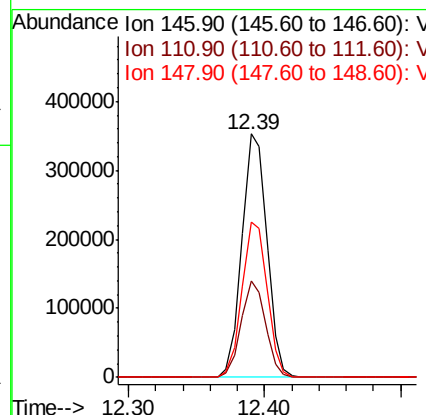
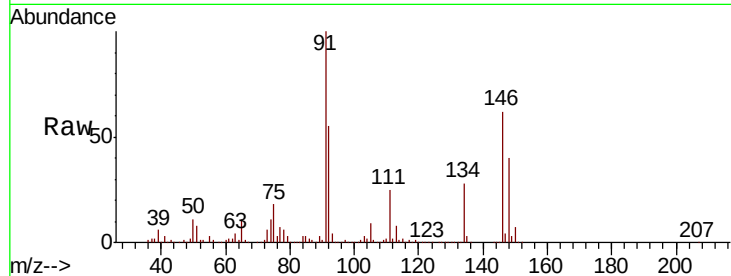
#91
 1,2-Dichlorobenzene
 Concen: 53.922 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.1	32.8	98.3

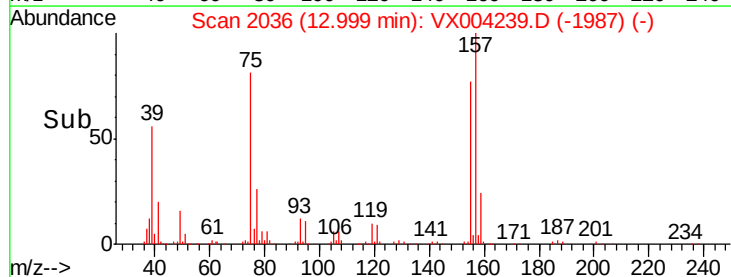
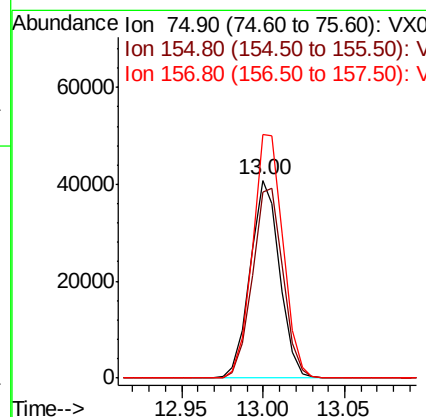
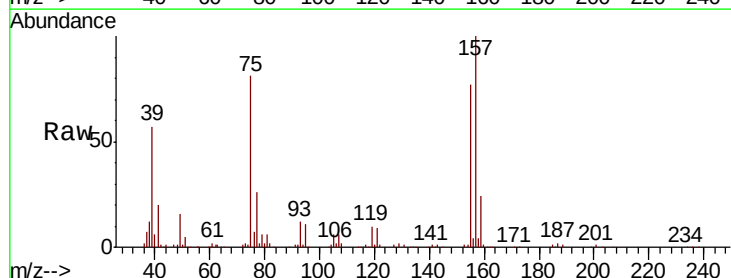
Manual Integrations
 APPROVED

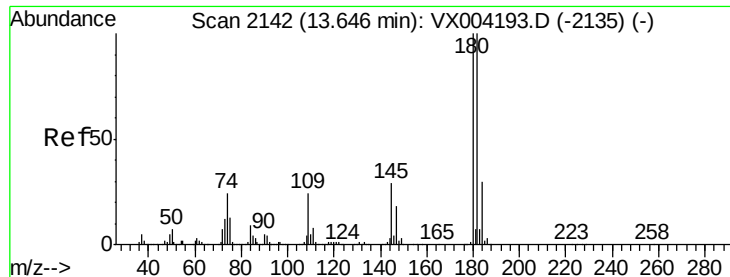
MMDadoda
 8/25/2018 11:42:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.988 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	48.0	144.2
157	127.6	61.4	184.1





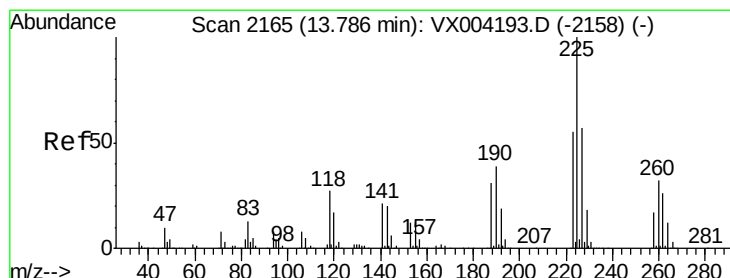
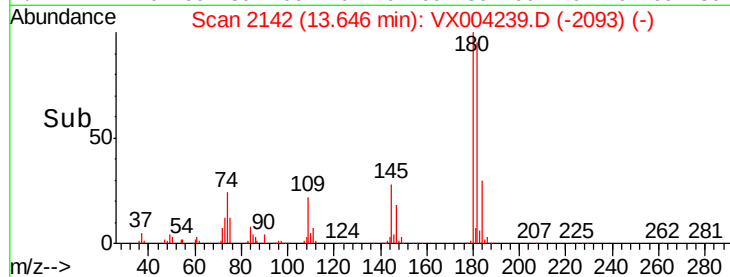
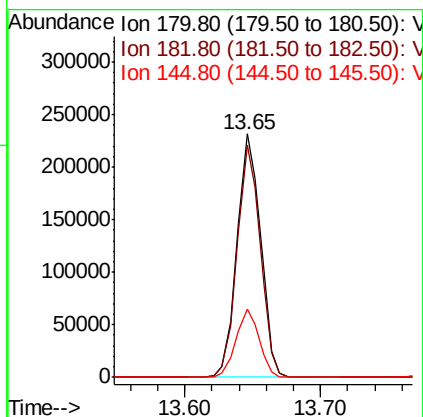
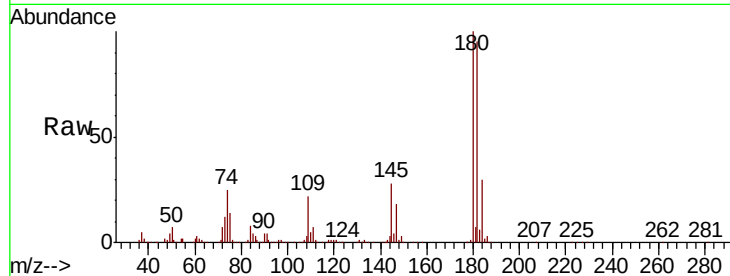
#93
 1,2,4-Trichlorobenzene
 Concen: 45.701 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	278868		
182	94.1	48.4	145.0	
145	27.4	14.3	42.9	

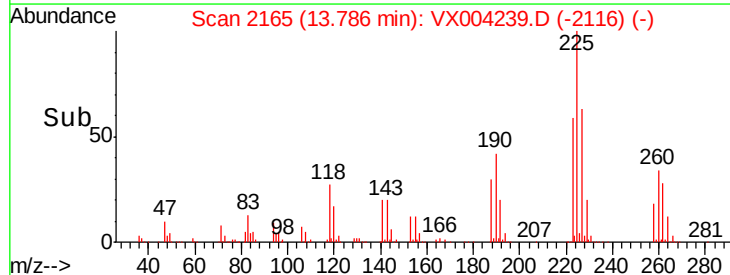
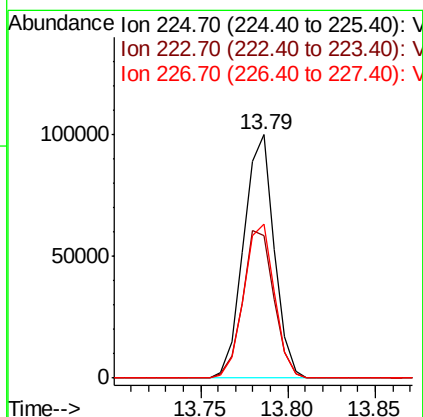
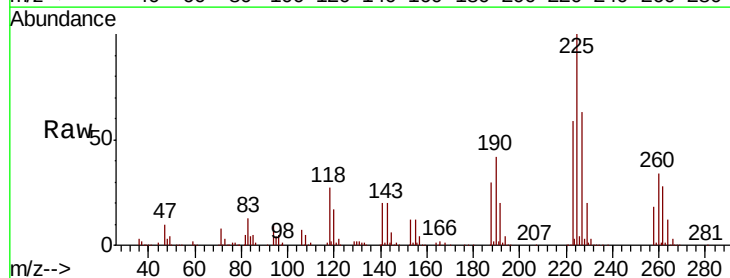
Manual Integrations
 APPROVED

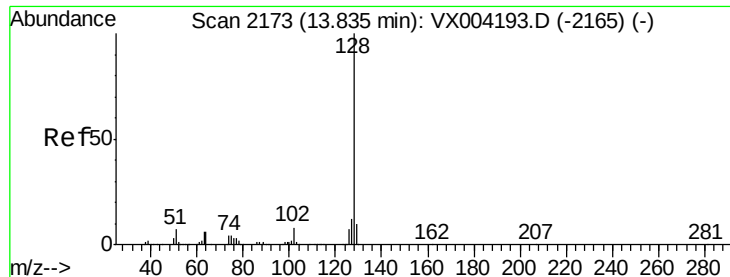
MMDadoda
 8/25/2018 11:42:36 AM



#94
 Hexachlorobutadiene
 Concen: 42.613 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004239.D
 Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121026		
223	62.2	30.1	90.5	
227	63.7	30.8	92.4	





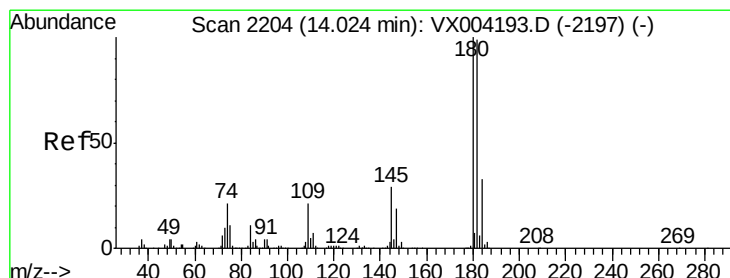
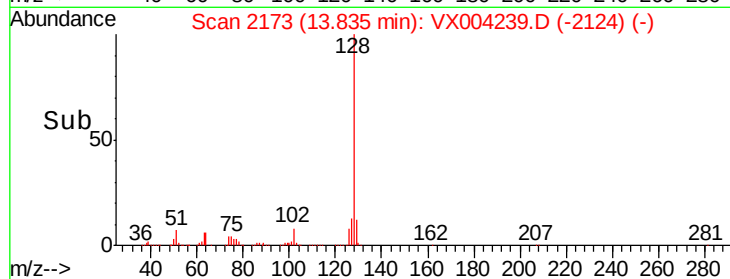
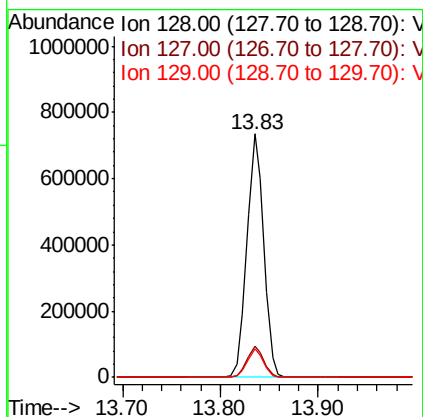
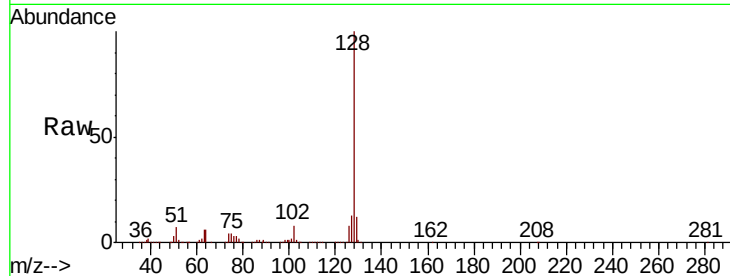
#95
Naphthalene
Concen: 50.874 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	878028		
127	12.6		10.2	15.2
129	11.3		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.658 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004239.D
Acq: 24 Aug 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	301396		
182	98.4		48.5	145.6
145	29.7		14.9	44.9

